Author Index

Volume 43, January–June 2004

Abbey-Hosch SE, 1103
Abboud FM, 312
Abe Y, 117, 841
Abraham NG, 1221
Adamopoulos C, 182
Adeyemo A, 555
Adji A, e10
Agabiti-Rosei E, 561, 731
Aggarwal A, 169
Aguilar F, 87
Ahn HY, 1086
Aickin M, 393
Aileru AA, 270
Akino M, 1195
Alausa T, 573
Alayash AI, 1110
Albermann L, 952
Alderman MH, 983
Alemany R, 249
Alexander BT, 420, 623, 832
Alexandrov AV, 214
Alexiou T, 854
Alfakih K, 1189
Allen JC, 1153
Almasy L, 780
Anderson WP, 643
Angeli F, 963
Antwi S, 1017
Appel LJ, 393
Aquilani S, 814
Arikawa E, 667
Arima H, 536
Arima S, 352
Arnett DK, 1182
Arosio E, 64
Asante-Poku S, 1175
Asanuma H, 237
Asico LD, 654, 673
Athirakul K, 364
Atwood LD, 466
Austin H, 1246
Averill DB, 970
Avery MA, 993
Aviv A, 182, 707
Avolio A, 341
Ayajiki K, 255
Ayala DE, e22
Aydin A, 471
Azizi M, 785, 803

Baamonde C, 249
Bader M, 460
Bae YM, 1086
Bähring S, 471
Bainbridge G, 1189
Bakker SJL, 791
Bakris GL, 573, 941
Ball DL, 358
Balmforth AJ, 1189
Banegas JR, 10, 1338
Barba G, 598
Barengo NC, 25
Barkley RA, 477
Barrès C, 629
Batenburg WW, 488
Bath PMW, 18, e36
Batlle D, 1120
Battell M, 667
Baumbach GL, 1092
Bean KE, 182
Beierwaltes WH, 79
Beilin LJ, 208
Bell TD, 57
Bella JN, 1182
Belton NR, 610
Benet M, 249
Benetos A, 182
Bengtsson K, 592
Benigni A, 614
Benjamin EJ, 957, 1239
Benson SC, 993
Beppu S, 237
Berenson GS, 541
Bergman RN, 1324
Bernstein KE, 849, 854
Berr SS, 680
Bertolozzi I, 101
Besnard S, 1270
Bhattacharyya S, 224
Bishop SP, 680
Bissery A, 785
Black HR, 198
Blake KV, 208
Blanco CE, 1283
Blangero J, 780, 1146
Bluyssen HAR, 947
Boari GEM, 561
Bocchi B, 803
Boddi M, 101
Boden-Albala B, 775
Boehmer C, 1175
Boerwinkle E, 477, 483
Bolla M, 1264
Bonadonna S, 561
Bonazzola S, 614
Bondy B, 1175
Bongartz LG, e14
Bonvalet JP, 803
Bonzi B, 731
Booz GW, 1162
Borecki IB, 780
Borgioni C, 963
Borlongan CV, 452
Bouhaddi M, e32
Bouter LM, 176
Bove CM, 680
Braam B, e14, 947
Bracco C, 963
Brage S, 224
Brambilla R, e10
Brands MW, 57
Bräsen J-H, 911
Bray GA, 393
Breen JF, 493
Brennand J, 224
Brosnihan KB, 849, 970
Brown NJ, 186
Bruemmer D, 297
Budge MM, e25
Buijs RM, 192
Burattin A, 561
Burgerhof JGM, 791
Burke SL, 636
Burke V, 208
Busjahn A, 471
Buttgereit J, 460

Cacho PM, e27
Cain AE, 405
Calhoun DA, 518
Callahan M, 270
Callera GE, 872
Calvo C, e22
Campbell DJ, 169, 854
Campbell WB, 358, 413
Campia U, 36
Campo C, 1338
Cao C, 243
Cao Z, 276
Capone ML, 64
Capparelli MF, 623
Cappellini A, 614
Cappuccio FP, 598, 1017
Capra A, e10
Capron MH, 803
Cardillo C, 36
Carey RM, 286, 680, 943, 1133
Caron A, 1110
Carretero OA, 229, 1067, 1140
Carroll MA, 623
Carter BL, 4
Carvalho MHC, 872
Cassell MD, 1116
Cassis P, 614
Castellano M, 561, 731
Castiglioni P, e32
Cattaruzza M, 726
Cavasin MA, 1140
Cecioni I, 101
Cerudelli B, 561
Cerutti C, e32
Chade AR, 493
Chakravarti A, 477
Challis B, 224
Chao J, 109, 452
Chao L, 109, 452
Chapleau MW, 312
Chappell MC, 849
Chaves FJ, e7
Chen S, 866
Chen W, 541
Cheng H-F, 525
Cheng Y, 629
Chillon J-M, 1092
Chittiboyina A, 993
Cho SI, 1086
Chobanian AV, e27, e28, e31
Chon H, 947
Chowdhary S, 1023
Christensen H, e36
Christman BW, 186
Cingolani O, 229, 1067
Cirò A, e10
Cividjian A, e32
Claustrat B, 87
Claydon VE, 809
CLUE Study Group Investigators, 1338
Cody AN, 1103
Coelho OR, 1060
Coffman TM, 364, 445
Cohen HW, 983
Cohen JD, 4
Cole SA, 466
Coleman HA, 643
Colucci WS, 957
Comuzzie AG, 1146
Conlin PR, 393
Cooper ME, 276
Cooper RS, 10, 477, 555
Coote JH, 1023
Cope D, e31
Corvol P, 854
Covelo M, e22
Cowley AW Jr, 341, 752
Cramer MJM, e14
Crescenzi A, 317
Crook E, 1202
Cui JS, 586
Cui T-X, 263, 1003

da Silva AA, 41, 370, 383, 1312
Daftary AR, 1279
Dahly-Vernon AJ, 860
Dahlöf B, 1029
Dai X, 1048
Dandrea J, 1290
Danser AHJ, 488
Danziger RS, 282
Daviglus ML, 1332
Davisson RL, 312
de Andrade M, 483
De Ceglia S, e10
De Ciuceis C, 399, 561
de Faire U, e18
de Jong PE, 791
de Leeuw PW, 1283
De Lima JJG, e20
De Mey JGR, 1283
de Paula FJ, e20
de Paula RB, 41
de Simone G, 714
de Zeeuw D, 791
Degan M, 64
Dekker JM, 176
Denhardt D, 1195
Dennis BH, 1332
Desai P, 993
Devereux RB, 769, 1029, 1182
Devost D, 1270
Di Carlo S, e5
Di Rienzo M, e32
DiBona GF, 147
Didion SP, 661, 1074
Diedrich A, 1035, 1042
Dietz R, 460
Díez J, 1164
Diez-Roux AV, 775
Dijstelbloem HM, 947
Dikalov SI, 1246
Dina JP, 131
DiPette DJ, 1153
DiTullio MR, 775
Diz DI, 270
Dobrian AD, 48
Dodd J, 643
Doherty D, 208
Domínguez MJ, e22
Doughty RN, 94
Dragon DN, 820
Drazner MH, 1160
du Cailar G, 219
Duan X, 578
Dudley A, 1202
Duprez D, e3, 936

Eastwood JB, 1017
Ecker JL, 988
Edgley AJ, 643
Edwards EM, 413
Egan BM, e12, 358
Egashira K, 739
Eisenhofer G, 907, 1227
Eisner GM, 654, 673
Ekelund U, 224
Eldadah BA, 1227
Elghozi J-L, e32
Elijovich F, 388
Elliott P, 825, 1332
Ellison RC, 477
Elmarakby AA, 1080
Elton RA, 610
Emmett L, 1017
Endemann DH, 399, 1252
Epstein FH, 680
Ernst ME, 4
Escribá PV, 249
Esler MD, 169
Espinosa O, e7
European Society of Hypertension Working Group on Blood Pressure and Heart Rate Variability, e32
Evans JC, 957

Faccini G, 64
Fahmi S, 1324
Failla M, e10
Falkner B, 203
Faraci FM, 661, 1074
Farjah M, 282
Farman N, 803
Fazzi GE, 1283
Felder RA, 286, 654, 673, 1133
Feres T, 131
Fernández JR, e22
Ferrario CM, 270, 970
Fesler P, 219
Fesüs G, 471
Fields LE, e28
Fiet J, 803
Filippucci L, 963
Fink B, 1246
Fink GD, 329, 1048
Flack JM, 1202
Flasch AK, 860
Flynn JA, 907
Fogo AB, 445
Folker A, 573
Fornage M, 483
Fornasiero A, 64
Forrester T, 555
Fortepiani LA, 918
Fortes ZB, 872
Fortrat J-O, e32
Frampton C, 94
Franchini KG, 1060
Francois H, 364
Franks PW, 224
French BA, 680
Frenneaux MP, e1, e5
Friedrich B, 1175
Fries RS, 1301
Frostegård J, e18
Fu Y, 1318
Fuchs S, 854
Fujii K, 977
Fukaya T, e17
Fukuhara M, 977
Fukuo K, 880, 1208
Funahashi T, 1318

Gagov H, 891
Gaillard CAJM, 947
Gainer JV, 186
Gaino S, 64
Galante A, 814
Galipeau D, 667
Gallagher PE, 849, 970
Galligan JJ, 329, 1048
Galloway JM, 769
Gamble GD, 94
Gans ROB, 791
Ganten D, 270
Garami Z, 214
Garcia K, 214
García-Robles R, 1338
Gardner DG, 866
Gardner DS, 1290
Gardner JP, 182
Garrelds IM, 488
Gattobigio R, 963
Gauthier KM, 413
Geenen DL, 282
Gensini GF, 101
Gentile G, e10
Gentils M, 1110
Georgiades A, e18
German Study Group for Pediatric Hypertension, 547
Giampaoli S, 10
Giannattasio C, e10
Gibson B, 57
Gildea JJ, 286, 1133
Gilson WD, 680
Girard A, e32
Gissler M, 825
Giustina A, 561
Gokee A, 1011
Goldstein DS, 907, 1227
Goldstein LB, 137
Gollasch M, 471
Gong W, 347
Goodfriend TL, 358, 518
Gosling RG, e25
Gossard F, 1270
Gouin N, 466
Graham MF, 837
Granger DN, 924
Granger JP, 623, 832
Grassi G, 154
Greer IA, e17
Griendling KK, 1246
Gross KW, 1116
Gross V, 1042
Gu D, 578
Gunaruwan P, e1
Güngär N, 1055
Guo D, 1332
Gupta VK, e29

Habib A, 1264
Hadtstein C, 547
Haefeli WE, 471
Haffner SM, 1324
Hailpern SM, 983
Hainsworth R, 809
Hall AS, 1189
Hall JE, 1, 41, 370, 383, 1312
Hall LD, 186
Hamet P, 1270
Han JH, 243
Haque MZ, 335
Harrap SB, 586
Harris RC, 525
Harris S, 186
Harrison DG, 1246

Harsha DW, 393
Hartikainen A-L, 825
Hastings J, 169
Hayashi K, 603
Hayflick JS, 885
He FJ, e12
He J, 578
Head GA, 636
Hecker M, 726
Heine RJ, 176
Henrion D, 1264
Henry RMA, 176
Hermida RC, e22
Herrera-Acosta J, 722
Herrman J, 493
Herzog CA, e20
Hesse C, 471
Higashi Y, 1297
Hillebrand U, 952
Hillege HL, 791
Hingtgen SD, 312
Hirata Y, 1214
Hirooka Y, 156
Hirose F, 1098
Hixson JE, 466
Hiyoshi H, 1258
Ho CI, 993
Hoagland KM, 860
Hollenberg NK, 707
Holmes C, 1227
Holstege FCP, 947
Homma S, 775
Honda M, 603
Honda Y, 1098
Hooper JJ, e18
Hooper PL, e18
Hopfer U, 654
Hopkins PN, 1182
Hopper JL, 586
Hori M, 237, 686
Horiuchi M, 263, 1003
Howard BV, 769
Howard G, 1324
Hsueh WA, 297
Hu G, 25
Huentelman MJ, 1233
Hulman S, 203
Hum D, 1270
Hung E, 573
Hunt SC, 477, 780

Iacone R, 598
Iacoviello L, 598
Ianhez LE, e20
Iantorno M, 36
Iellamo F, 814, e32
Iglarz M, 1252
Iida M, 977
Ikenoue N, e17
Imaizumi T, 499,739
Imig JD, 533
Inomata N, 880
Inoue T, 880
InterASIA Collaborative Group, 578
INTERMAP Research Group, 1332
Iradi A, e7
Irving RJ, 610
Irwin ED, 306
Ishibashi S, 1214
Ishikawa K, 1318
Ishikura F, 237
Ishiyama Y, 970
Ishizaka N, 1214

Ito K, 156
Ito S, 352
Iwai M, 263, 1003
Iwashima Y, 1318
Izhar M, 198, 573

Jack CR, 483
James R, 1146
Jamieson N, e17
Jankowski J, 1055
Jankowski V, 1055
Janssen BJA, e32
Janssen GMJ, 1283
Järvelin M-R, 825
Jeck N, 1175
Jensen BL, e30
Jern S, 1029
Jia N, 1195
Jin X-H, 1133
Jinagouda S, 1324
Jinno T, 263
Joffres MR, 10
Johnson RJ, 722
Joles JA, 699, 947
Jones DW, 1, 932
Jordan J, 471, 1035, 1042
Jose PA, 654, 673
Jousilahti P, 25
Julien C, 629, e32
Jung JY, 1086

Kagami S, 841
Kagiyama S, 977
Kai H, 739, 499
Kaibuchi K, 156
Kaimoto T, 1208
Kammerer CM, 466
Karemaker JM, e32
Karumanchi SA, 988
Kashiwagi A, 255
Katovich MJ, 324, 1233
Katsuta H, 1098
Katsuya T, 1318
Kawamoto H, 880, 1208
Kawano Y, 536
Kaye DM, 169
Kemp BE, 1080
Kemp R, 347
Kendall GE, 208
Kenouch S, 803
Kerry SM, 1017
Keyes MJ, 1239
Khalil RA, 405, 420, 434, 897
Khraibi AA, 48
Khullar M, e7
Kieval RS, 306
Kihara S, 1318
Kim B, 1086
Kim J, 1086
Kim SH, 243
Kim SM, 243
Kimura S, 117, 841
Kimura Y, 156
Kiryu J, 1098
Kishi T, 156
Kissebah AH, 1146
Kitabatake A, 1195
Kitakaze M, 237
Kitzman DW, 1182
Kiyomoto H, 841
Kizer JR, 1182
Knepper MA, 860
Knot HJ, 1233
Kobori H, 1126
Koga M, 499

Kohagura K, 352
Kohno M, 841
Kon S, 1195
Kondo S, 841
Koomans HA, 699, 947
Kopin IJ, 1227
Kostense PJ, 176
Kraaijenhagen RJ, 947
Kramer CM, 680
Kramer GL, 849
Kramer H, 10, 555
Kreulen DL, 1048
Krieger EM, e20
Krien U, 891
Krier JD, 493
Krozowski Z, 169
Kruckeberg WC, 832
Kubota E, 603
Kudo H, 499
Kuo JJ, 370, 383, 1312
Kurtz TW, 993
Kushner H, 203
Kuwahara F, 499, 739
Kwon SC, 1086

Labat C, 182
Labrude P, 1110
Laffer CL, 388
Lagosta VJ, 1060
Laitinen J, 825
Lakka TA, 25
Lamarre-Cliche M, 785, 803
Lambert E, 169
Lambert G, 169
Lamon BD, 347
Lampert A, 1175
Landau LI, 208
Lang F, 1175
Lang PA, 1175
Lang UE, 1175
Langenickel T, 460
Laniado-Schwartzman M, 388, 1221
LaPointe MS, 1120
Larson MG, 957, 1239
Lassila M, 276
Lattrich C, 726
Laude D, e32
Lavoie JL, 1116
Le TH, 445
Lechi A, 64
Lee ET, 769
Lee K, 1297
Legramante JM, 814
Lehmann G, 891
Leik CE, 837
Lembo G, e15
Leonardi-Bee J, 18, e36
Lerman A, 493
Lerman LO, 493
Lévesque S, 71
Levine RJ, 988
Levy BI, 1264
Levy D, 957, 1239
Levy-Toledano S, 1264
Li H-S, 1003
Li J-M, 263, 1003
Li JY, 87
Li S, 541
Li Z, 263
Liao JK, 1171
Liao Y, 237
LIFE Study Investigators, 1029
Lin P-H, 393
Lin Y, 977
Lindblad U, 592
Lindsay C, 71
Lionetti M, e5
Lipman RD, e24, e34
Liu H-W, 263
Liu JE, 1182
Liu K, 1332
Liu L, 1195
Liu R, 649
Liu Y-H, 229, 1067
Llinas MT, 623, 832
Lo M, 87
Logan E, 270
Lohmeier TE, 306
Lokhandwala M, 376
London MG, 163
Long DA, 722
López JE, e22
Lopez LV, 797
López-Rodríguez I, e22
Loufrani L, 1264
Lovallo WR, 760
Luan J, 224
Ludwig T, 952
Luff SE, 643
Luft FC, 471, 911, 1035, 1042, 1155
Luke A, 555
Lukoshkova E, e32
Lum C, 79
Lumachi C, 101
Luo J, 1055
Luque M, 1338

Ma X, 312
MacCluer JW, 466
Macconi D, 614
MacGregor GA, e12
Mahapatra NR, 1301
Mahata SK, 1301
Mahboubi P, 1301
Mairuhu G, 192
Majid DSA, 335
Malave H, 186
Malliani A, e24
Mancia G, 154, e10, e32
Mangoni AA, 531
Mano T, 686
Mao L, 364
Maqbool A, 1189
Marchuk DA, 445
Marciani MG, 814
Marigliano V, e5
Marks J, 1146
Marsh AM, 1023
Martin DS, 214
Martin LJ, 1146
Martin-Peprah R, 1017
Marwaha A, 376
Massaro M, 814
Masuyama T, 686
Materson BJ, 1166
Mathur S, 661, 1074
Matsubara H, 680
Matsuda H, 603
Matsui Y, 1195
Matsumura K, 977
Matsuo A, 1318
Matsuzawa Y, 1318
Maucci R, 614
McCarthy MI, 825
McCormick JA, 866
McGrath HE, 1133
McKey BS, 760
McKinley MJ, 854
McNair LL, 897
McNeill JH, 667
Melander O, 592
Ménard J, 785
Menu P, 1110
Metcalfe BL, 1233
Micah FB, 1017
Michelini LC, 317
Middelberg RPS, 224
Mikhail N, e31
Miller ER III, 393
Miller MB, 780
Mimran A, 219
Min L-J, 1003
Minamino T, 237
Minuz P, 64
Mitchell GF, 151, 1239
Miwa T, 686
Miwa Y, 536
Miyahara S, 1098
Miyamoto K, 1098
Miyata K, 841
Modesti PA, 101
Modrall JG, 849
Moehle R, 1175
Mogi M, 1208
Moisè A, e5
Mojón A, e22
Mokwe E, 1202
Montague C, 224
Montano N, e24
Monteduro C, 731
Montezano AC, 872
Moreno H Jr, 1060
Mori T, 752, 341
Morimoto J, 1195
Morineau G, 803
Morris BJ, 766
Mosley TH, 483
Motone M, 1318
Moutquin J-M, 71
Muffat-Joly M, 803
Mühl A, 471
Muiesan ML, 561, 731
Muntner P, 578
Murabito JM, 957
Muszkat M, 31
Mutter WP, 988
Myers MG, 724
Myklebust J, 1146

Naaz P, 1120
Nadruz W Jr, 1060
Nagai R, 1214
Nagai Y, 841
Nasjletti A, 347, 388, 1221
Naso C, e5
Nasser SA, 1202
Navar LG, 1126
Ness RB, 1279
Neuenfeld Y, 471
Neumann J, 1055
Neves MF, 399
Newnham JP, 208
Nieminen MS, 1029
Nightingale AK, e5
Nigro D, 872
Nijpels G, 176
Nishijima K, 1098
Nishikawa N, 686
Nishimatsu H, 1214
Nishio I, e15
Nishio M, 686
Nishio Y, 255
Nishiyama A, 117, 841
Nissinen A, 25
Nithipatikom K, 358
Nocco M, e5
Node K, 237
Norgiolini S, 963
Noris M, 614
North KE, 780
Northcott CA, 125, 885, e29

Obarzanek E, 393
Oberleithner H, 952
Oberman A, 780, 1182
Obst M, 1042
O'Connor DT, 1301
Ogihara T, 263, 880, 1208, 1318
Ogita H, 237
Ohama K, 1297
Ohashi K, 1318
Ohishi M, 1318
Ohmit SE, 1202
Ohtani T, 686
Ohtsuka M, 1297
Oikarinen L, 1029
Okamoto H, 1195, 1258
Okamura T, 255
Okin PM, 769, 1029
Okumura M, 1003
Oliverio MI, 445
Onozuka H, 1195
O'Rahilly S, 224
O'Rourke MF, e10, e25
Orshal JM, 434
Osuga J-i, 1214
Ouchi N, 1318
Ozawa Y, 1126

Pacak K, 907, 1227
Pagani M, e32
Pagel I, 460
Paini A, 731
Paiva ACM, 131
Paiva TB, 131
Pankow JS, 780
Panza JA, 36
Paranicas M, 1182
Parati G, e32
Parilak LD, 1233
Parise H, 1239
Park J-C, 1086
Parkington HC, 643
Pasta F, 614
Patrick TE, 1279
Patrignani P, 64
Patrono C, 64
Payne JA, 405, 420
Pearce D, 866
Pearce S, 1290
Perna AM, 101
Pershadsingh HA, 993
Persson AEG, 649
Persson PB, e32
Petnehazy T, 924
Pfister SL, 428
Phillips MI, 746
Phillips RO, 1017
Piao FL, 243
Picciolo C, 614
Piccirillo G, e5
Pilowsky PM, 945
Pilz B, 911
Placidi F, 814
Plange-Rhule J, 1017
Plante GE, 163
Plehm R, 1042
Pockley AG, e18

Poisa P, 731
Pollock DM, 1080
Pollock JS, 1080
Porcellati C, 963
Porrati F, 614
Porteri E, 561
Portman RJ, 214
Potter DL, 79
Potter LR, 1103
Poulter N, 10
Pouta A, 825
Powers RW, 1279
Prabaker K, 866
Pravenec M, 993
Pretorius M, 186
PREVEND Study Group, 791
Prewitt RL, 48
Price KL, 722
Prickett TCR, 94
Prieto-Carrasquero MC, 1126
Primatesta P, 10
Province MA, 477, 1182
Pu Q, 399

Qi N, 993
Qian K, 746
Quan S, 1221
Quintin L, e32

Rahman M, 117
Raizada MK, 324, 1233
Rakugi H, 263, 1318
Ramires JA, e20
Ramsay MM, 1290
Ramsey J, e17
Rao DC, 1182
Rao S, 1246
Råstam L, 592
Rauch A, 471
Reaves PY, 324
Reboldi G, 963
Reckelhoff JF, 405, 918
Redon J, e7
Regnard J, e32
Relan V, e7
Remuzzi G, 614
Rewers M, 1324
Rhaleb N-E, 229, 1067, 1140
Ribstein J, 219
Richards M, 94
Ridgway J, 1189
Riethmüller C, 952
Risler T, 1175
Rittling SR, 1195
Rizzoni D, 561, 731
Roberts JM, 1279
Roccella EJ, e27, e28, e31
Rocchini AP, 1011
Rochon G, 1110
Rockman H, 364
Rodriguez CJ, 775
Rodriguez F, 347
Rodríguez-Artalejo F, 1338
Rodríguez-Ledo MP, e22
Rodriguez-Porcel M, 493
Roman MJ, 769
Roman RJ, 860, 1173
Romigi A, 814
Rose KM, 780
Rossing MA, 306
Rousseau F, 71
Roxas BP, 282
Roy M-C, 71
Ruediger JH, e32
Ruilope LM, 1338
Ruiz-Opazo N, 797
Ruokonen A, 825
Russo O, 598
Russo P, 598
Ryan MJ, 661, 1074

Saad MF, 1324
Sabbaga E, e20
Sacco RL, 775
Sacks FM, 393
Sadjadi J, 849
Saez GT, e7
Saez JM, 87
Safar ME, 163, 341
Sakata Y, 686
Salabat MR, 1120
Salamanca DA, 897
Salvetti M, 731
Salzler HR, 445
Sam F, 957
Samollow PB, 466
Sanada M, 1297
Sanada S, 237
Sanchez R, 1270
Sanders MW, 1283
Sanders PW, 142
Sangaleti CT, 317
Santonastaso CL, 64
Santos EAd, 860
Saruta T, 603
Sasaguri T, 536
Sasaki S, 286
Sassard J, 87
Sasser JM, 1080
Sata M, 1214
Satoh F, 352
Sattar N, e17
Saul PJ, e32
Saunders E, 1202
Savage PJ, 1324
Savoia C, 399, 1252
Saxena PR, 488
Schaefer F, 547
Schaeffeler E, 1175
Schäfer C, 952
Scheer FAJL, 192
Schiemann D, 891
Schiffrin EL, 399, 872, 938, 1252
Schillers H, 952
Schlaich MP, 169
Schlüter H, 1055
Schmid-Schoenbein GW, 1301
Schmidt BMW, e2, e30
Schmieder RE, e2, e30
Schmitt M, e1, e5
Schmitz W, 1055
Schneider W, 911
Schork NJ, 1301
Schram MT, 176
Schriver SD, 48
Schroeder C, 471
Schubert R, 891
Schwab M, 1175
Schwarz JR, 891
Sciacca RR, 775
Segura J, 1338
Sehgal AR, 566
Selby J, 1324
Serdar DJ, 306
Seta F, 64
Seward JB, e25
Seyberth H, 1175
Shafi T, 1202
Shahin V, 952
Sharpe N, 94
Shen L, 746
Sherawat BS, e7
Shesely EG, 79
Shimokawa H, 156
Shinohara K, e17
Shinozaki K, 255
Shiuchi T, 1003
Shokoji T, 117, 841
Shore AC, 610
Siani A, 598
Siedler H, 471
Sigmund CD, 312, 661, 1074, 1116
Singer GM, 198
Siragy HM, 286, 1133
Sivananthan M, 1189
Skøtt O, e30
Skurk C, 1168
Sleiman I, 561
Smirnakis KV, 988
Soergel M, 547
Sofowora GG, 31
Song D, 667
Sonnenberg GE, 1146
Sorof JM, 214
Sovio U, 825
Sowers JR, 941
Sparks H, 1153
Speirs HJL, 766
Spitzbarth N, 413
Srinivasan SR, 541
Stamler J, 1332
Stanley FJ, 208
Stec DE, 720
Stegmayr B, 10
Stehouwer CDA, 176
Stein CM, 31
Stephenson T, 1290
Stoltz JF, 1110
Strazzullo P, 598
Stuveling EM, 791
Suei Y, 1297
Sugawara A, 352
Sugaya T, 255
Sugimoto K, 1318
Suhara T, 880, 1208
Sukhatme VP, 988
Sullivan JC, 1080
Summar ML, 186
Sumners C, 1233
Sundstrom J, 957
Sung BH, 760
Svetkey LP, 393
Symonds ME, 1290
Szczech E, 1035

Tacconelli S, 64
Taguchi A, 1297
Tahara N, 499
Takamatsu I, 603
Takano M, 1258
Takashima S, 237
Takemiya K, 499
Takemura Y, 880, 1208
Takeshita A, 156, 739
Takeuchi K, 352
Takeya M, 739
Talamini G, 64
Tallam LS, 370, 383
Tallant EA, 970
Talman WT, 820
Tamargo J, 1338
Tamura H, 1098
Tanaka K, 1214
Tang Y, 746
Tang YL, 746
Tanimoto K, 1297
Tank J, 1035, 1042
Tare M, 643
Tatematsu S, 603
Taylor DG, 1233
Taylor JA, e24, e34
Temmar M, 182
Terés S, 249
Thadhani R, 988
Thamm M, 10
Thomas F, 182
Thulin T, e18
Tian X, 312
Todeschini M, 614
Toivonen L, 1029
Toka HR, 471
Toka O, 471
Tokuda K, 499, 739
Tokuyama H, 603
Tombini M, 814
Tommasoli R, 64
Tonkiss J, 797
Tormos MC, e7
Tostes RC, 872
Toussaint-Hacquard M, 1110
Touyz RM, 399, 872, 1252
Townend JN, 1023
Tremblay J, 1270
Trivedi M, 376
Tsubakimoto M, 1208
Tsuda K, e15
Tsuda M, 1297
Tsushima M, 536
Tuomilehto J, 25
Turner J, 214
Turner ST, 477, 483

Uede T, 1195
Ueshima H, 1332
Uhrenholt TR, e30
Ulfig N, 891
Uruno A, 352

van der Meijden BB, 947
van Dijk RAJM, 176
van Kats JP, 488
van Leenen D, 947
Van Montfrans GA, 192
van Someren EJW, 192
VandeBerg JF, 466
Vanni S, 101
Vara-Gonzalez LA, e27
Vasan RS, 957, 1239
Vaughan DE, 186
Vecchione C, e15
Veh RW, 891
Venezia A, 598
Verdecchia P, 963
Vettorello M, e32
Vieira MLC, e20
Viitasalo M, 1029
Villanueva M, 1067
Vincent AS, 760
Vincenti A, e10
Vinogradova T, 445
Viola S, 731
Virdis A, 399
Vita JA, 1239
Vögler O, 249
von Wowern F, 592
Vowinkel T, 924

Wakatsuki A, e17

Wakino S, 603
Waldegger P, 1175
Waldegger S, 1175
Walker BR, 610
Walker R, 1290
Walsh K, 1168
Walsh SW, 837
Walters K, 1189
Wan F, 214
Wand G, 907
Wang D, 654, 673
Wang Jiaming, 993
Wang Jian, 866
Wang SS, 1246
Wang Z, 673
Wareham NJ, 224
Washington TL, 282
Watanabe K, e17
Watts SW, 125, 885, e29, 1048
Webb DJ, 610
Weber KT, 716
Weder A, 477, 707
Weisberg A, 186
Welch WJ, 654, 673
Wenqi G, 578
Wenzel UO, 693
Wesseling KH, e32
Westerhof N, 176
Whelton PK, 578
White WB, e3
Whitsett TL, 760
Wilcox CS, 654, 673
Willenbrock R, 460
Willey A, 837
Willmot M, 18
Willnot M, e36
Wilson MF, 760
Wilson PWF, 957
Wissinger B, 1175
Witte K, 547
Wolf G, 693
Wolf M, 988
Wolf-Maier K, 10
Wong ZYH, 586
Wood AJJ, 31
Worthy K, 643
Wright SP, 94
Wu L, 1003
Wu X, 578
Wu Y, 1332
Wühl E, 547
Wulfsen I, 891
Wyche KE, 1246
Wynne FL, 405
Wysocki J, 1120

Xia C-F, 452
Xiao HD, 854
Xiaobin L, 182
Xu H, 329
Xu H-L, 352
Xu J, 229

Yamamoto Kazuhiro, 686
Yamamoto Kouichi, 1318
Yamamoto T, 499
Yan LL, 1332
Yandle TG, 94
Yang JQ, 1011
Yang F, 229
Yang H, 324
Yang J, 1332
Yang L, 1221
Yang X-P, 229, 1067, 1140
Yang Zequan, 680
Yang Zhiwei, 673
Yao L, 841
Yasuda O, 880, 1208
Yasukawa H, 499
Yayama K, 1258
Ye M, 1120
Yin H, 109, 452
Yokoi T, 880, 1208
Yoshida J, 686
Yoshizumi Masanori, 841
Yoshizumi Masao, 1297
You D, 1264
Yu C-h, 849

Zaccaro D, 1324
Zafari AM, 1246
Zeng C, 654, 673
Zhang G-X, 117
Zhang X, 276
Zhang YC, 746
Zhao L, 1332
Zhou B, 1332
Zhu L, 1332
Zidek W, 1055
Zill P, 1175
Zorn TMT, 872
Zureik M, 182

Subject Index

Volume 43, January–June 2004

A

ACE inhibitors
Determinants of Blood Pressure Response to Quinapril in Black and White Hypertensive Patients: The Quinapril Titration Interval Management Evaluation Trial, 1202

Acetylcholine
Angiotensin II-Induced Vascular Dysfunction Is Mediated by the AT_{1A} Receptor in Mice, 1074
Nitric Oxide and Cardiac Muscarinic Control in Humans, 1023

Adolescence
Effect of Birth Weight on Blood Pressure and Body Size in Early Adolescence, 203
Normative Values for Circadian and Ultradian Cardiovascular Rhythms in Childhood, 547

Adrenal gland
Epoxy-Keto Derivative of Linoleic Acid Stimulates Aldosterone Secretion, 358
Hypersensitivity of the Adrenal Cortex to Trophic and Secretory Effects of Angiotensin II in Lyon Genetically-Hypertensive Rats, 87
Neuroendocrine Transcriptome in Genetic Hypertension: Multiple Changes in Diverse Adrenal Physiological Systems, 1301

Adrenergic
Functional Variant in the α_{2B} Adrenoceptor Gene, a Positional Candidate on Chromosome 2, Associates With Hypertension, 592

Adrenergic receptor agonists
Alpha$_2$-Adrenergic Receptor-Induced Vascular Constriction in Blacks and Whites, 31
ROS During the Acute Phase of Ang II Hypertension Participates in Cardiovascular MAPK Activation But Not Vasoconstriction, 117

Adrenomedullin
Adrenomedullin Protects Against Myocardial Apoptosis After Ischemia/Reperfusion Through Activation of Akt-GSK Signaling, 109

Aging
Changes in Arterial Stiffness and Wave Reflection With Advancing Age in Healthy Men and Women: The Framingham Heart Study, 1239
Short Telomeres Are Associated With Increased Carotid Atherosclerosis in Hypertensive Subjects, 182

Albuminuria
C-Reactive Protein Modifies the Relationship Between Blood Pressure and Microalbuminuria, 791
Heterogeneity of Cardiorenal Characteristics in Normotensive Subjects, 219

Aldosterone
Endothelium-Derived Nitric Oxide Modulates Vascular Action of Aldosterone in Renal Arteriole, 352
Eplerenone Prevents Salt-Induced Vascular Remodeling and Cardiac Fibrosis in Stroke-Prone Spontaneously Hypertensive Rats, 1252
Epoxy-Keto Derivative of Linoleic Acid Stimulates Aldosterone Secretion, 358
Hypersensitivity of the Adrenal Cortex to Trophic and Secretory Effects of Angiotensin II in Lyon Genetically-Hypertensive Rats, 87
Impaired 11-β Hydroxysteroid Dehydrogenase Type 2 Activity in Sweat Gland Ducts in Human Essential Hypertension, 803
Relations of Serum Aldosterone to Cardiac Structure: Gender-Related Differences in the Framingham Heart Study, 957
Resistant Hypertension, Obesity, Sleep Apnea, and Aldosterone: Theory and Therapy, 518
Role of Osteopontin in Cardiac Fibrosis and Remodeling in Angiotensin II-Induced Cardiac Hypertrophy, 1195

Angioplasty
Role of Membrane Potential and Expression of Endothelial Factors in Restenosis After Angioplasty in SHR, 131

Angiotensin
Angiotensin II Stimulates Calcium and Nitric Oxide Release From Macula Densa Cells Through AT_1 Receptors, 649
Calcium Channel Blocker Azelnidipine Enhances Vascular Protective Effects of AT_1 Receptor Blocker Olmesartan, 263
Cardiovascular and Renal Phenotype in Mice With One or Two Renin Genes, 79
Decrease in Hypothalamic Gamma Adducin in Rat Models of Hypertension, 324
Dietary NaCl Regulates Renal Aminopeptidase N: Relevance to Hypertension in the Dahl Rat, 282
Nitric Oxide Mediates Benefits of Angiotensin II Type 2 Receptor Overexpression During Post-Infarct Remodeling, 680
Peroxisome Proliferator-Activated Receptor γ: Implications for Cardiovascular Disease, 297
PPARγ Agonist Rosiglitazone Improves Vascular Function and Lowers Blood Pressure in Hypertensive Transgenic Mice, 661
Retinal Expression of Vascular Endothelial Growth Factor Is Mediated by Angiotensin Type 1 and Type 2 Receptors, 276
Upregulation of Angiotensin-Converting Enzyme 2 After Myocardial Infarction by Blockade of Angiotensin II Receptors, 970

Angiotensin antagonist
Evidence for a Causal Role of the Renin-Angiotensin System in Vascular Dysfunction Associated With Insulin Resistance, 255
Integrating Drug Pharmacokinetics for Phenotyping Individual Renin Response to Angiotensin II Blockade in Humans, 785

Angiotensin I
Depletion of Tissue Angiotensin-Converting Enzyme Differentially Influences the Intrarenal and Urinary Expression of Angiotensin Peptides, 849
Effect of Reduced Angiotensin-Converting Enzyme Gene Expression and Angiotensin-Converting Enzyme Inhibition on Angiotensin and Bradykinin Peptide Levels in Mice, 854

Angiotensin II
Adjacent Expression of Renin and Angiotensinogen in the Rostral Ventrolateral Medulla Using a Dual-Reporter Transgenic Model, 1116
Alterations in Sympathetic Ganglionic Transmission in Response to Angiotensin II in (mRen2)27 Transgenic Rats, 270
Angiotensin II Type-1 Receptor Blocker Valsartan Enhances Insulin Sensitivity in Skeletal Muscles of Diabetic Mice, 1003
Assessment of Renal Functional Phenotype in Mice Lacking gp91^{PHOX} Subunit of NAD(P)H Oxidase, 335
AT1 Receptor Blocker Added to ACE Inhibitor Provides Benefits at Advanced Stage of Hypertensive Diastolic Heart Failure, 686
AT_1 Receptor Mediated Augmentation of Intrarenal Angiotensinogen in Angiotensin II-Dependent Hypertension, 1126
Depletion of Tissue Angiotensin-Converting Enzyme Differentially Influences the Intrarenal and Urinary Expression of Angiotensin Peptides, 849
Different Growth Factor Activation in the Right and Left Ventricles in Experimental Volume Overload, 101
Effect of Reduced Angiotensin-Converting Enzyme Gene Expression and Angiotensin-Converting Enzyme Inhibition on Angiotensin and Bradykinin Peptide Levels in Mice, 854
Endogenous Angiotensin and Pressure Modulate Brain Angiotensinogen and AT_{1A} mRNA Expression, 317
Evidence for a Causal Role of the Renin-Angiotensin System in Vascular Dysfunction Associated With Insulin Resistance, 255
Heme Oxygenase-1 Gene Expression Modulates Angiotensin II-Induced Increase in Blood Pressure, 1221
Identification of Telmisartan as a Unique Angiotensin II Receptor Antagonist With Selective PPARγ-Modulating Activity, 993
Modifier Locus on Mouse Chromosome 3 for Renal Vascular Pathology in AT_{1A} Receptor-Deficiency, 445
Modulation of the Inflammatory Response in Cardiovascular Disease, 924
Peri-Implantation Undernutrition Programs Blunted Angiotensin II Evoked Baroreflex Responses in Young Adult Sheep, 1290
Pressure-Independent Effects of Angiotensin II on Hypertensive Myocardial Fibrosis, 499

Role for Thromboxane Receptors in Angiotensin-II-Induced Hypertension, 364
Role of Pressure in Angiotensin II-Induced Renal Injury: Chronic Servo-Control of Renal Perfusion Pressure in Rats, 752
ROS During the Acute Phase of Ang II Hypertension Participates in Cardiovascular MAPK Activation But Not Vasoconstriction, 117
Sympathetic Augmentation in Hypertension: Role of Nerve Firing, Norepinephrine Reuptake, and Angiotensin Neuromodulation, 169

Angiotensin-converting enzyme
AT1 Receptor Blocker Added to ACE Inhibitor Provides Benefits at Advanced Stage of Hypertensive Diastolic Heart Failure, 686
Effect of Reduced Angiotensin-Converting Enzyme Gene Expression and Angiotensin-Converting Enzyme Inhibition on Angiotensin and Bradykinin Peptide Levels in Mice, 854
Increased ACE 2 and Decreased ACE Protein in Renal Tubules From Diabetic Mice: A Renoprotective Combination? 1120
Persistent Remodeling of Resistance Arteries in Type 2 Diabetic Patients on Antihypertensive Treatment, 399
Prolyl Oligopeptidase Is Involved in Release of the Antifibrotic Peptide Ac-SDKP, 1140
Role of Endothelium-Derived Hyperpolarizing Factor in ACE Inhibitor-Induced Renal Vasodilation in Vivo, 603
Upregulation of Angiotensin-Converting Enzyme 2 After Myocardial Infarction by Blockade of Angiotensin II Receptors, 970

Angiotensinogen
AT_1 Receptor Mediated Augmentation of Intrarenal Angiotensinogen in Angiotensin II-Dependent Hypertension, 1126
Cardiovascular and Renal Phenotype in Mice With One or Two Renin Genes, 79

Antihypertensive agents
α-2 Adrenergic Transmission and Human Baroreflex Regulation, 1035
Causes and Consequences of Increased Sympathetic Activity in Renal Disease, 699
Clonidine Improves Spontaneous Baroreflex Sensitivity in Conscious Mice Through Parasympathetic Activation, 1042

Antihypertensive therapy
Blood Pressure Management in Patients With Acute Ischemic Stroke, 137
Determinants of Blood Pressure Response to Quinapril in Black and White Hypertensive Patients: The Quinapril Titration Interval Management Evaluation Trial, 1202
Hydrochlorothiazide Versus Chlorthalidone: Evidence Supporting Their Interchangeability, 4
Hypertension Treatment and Control in Five European Countries, Canada, and the United States, 10

Antioxidants
Long-Term Antioxidant Intervention Improves Myocardial Microvascular Function in Experimental Hypertension, 493
Tempol Lowers Blood Pressure and Sympathetic Nerve Activity But Not Vascular O_2^- in DOCA-Salt Rats, 329

Antiporters
Renal Oxidative Stress in Medullary Thick Ascending Limbs Produced by Elevated NaCl and Glucose, 341

Aorta
Changes in Arterial Stiffness and Wave Reflection With Advancing Age in Healthy Men and Women: The Framingham Heart Study, 1239
Pulse Pressure Is an Independent Predictor for the Progression of Aortic Wall Calcification in Patients With Controlled Hyperlipidemia, 536

Apoptosis
Adrenomedullin Protects Against Myocardial Apoptosis After Ischemia/Reperfusion Through Activation of Akt-GSK Signaling, 109
Angiotensin II and Cell Cycle Regulation, 693
Homocysteine Enhances Endothelial Apoptosis via Upregulation of Fas-Mediated Pathways, 1208
Kallikrein Gene Transfer Protects Against Ischemic Stroke by Promoting Glial Cell Migration and Inhibiting Apoptosis, 452

Arachidonic acid
20-HETE and Circulating Insulin in Essential Hypertension With Obesity, 388
Role of Platelet Microparticles in the Production of Thromboxane by Rabbit Pulmonary Artery, 428

Arginine
L-Arginine Attenuates Hypertension in Pregnant Rats With Reduced Uterine Perfusion Pressure, 832
L-Arginine Depletion in Preeclampsia Orients Nitric Oxide Synthase Toward Oxidant Species, 614

Arterial
Alterations in Sympathetic Ganglionic Transmission in Response to Angiotensin II in (mRen2)27 Transgenic Rats, 270
ET_A Receptor Mediates Altered Leukocyte-Endothelial Cell Interaction and Adhesion Molecules Expression in DOCA-Salt Rats, 872

Arterial pressure
Blood Pressure Control and Physician Management of Hypertension in Hospital Hypertension Units in Spain, 1338
Decreased Endothelium-Dependent NO-cGMP Vascular Relaxation and Hypertension in Growth-Restricted Rats on a High-Salt Diet, 420
L-Arginine Attenuates Hypertension in Pregnant Rats With Reduced Uterine Perfusion Pressure, 832
Prolonged Activation of the Baroreflex Produces Sustained Hypotension, 306
Steady-State and Dynamic Responses of Renal Sympathetic Nerve Activity to Air-Jet Stress in Sinoaortic Denervated Rats, 629

Arteries
Acromegalic Patients Show the Presence of Hypertrophic Remodeling of Subcutaneous Small Resistance Arteries, 561
Arterial Stiffness and Kidney Function, 163
Changes in Arterial Stiffness and Wave Reflection With Advancing Age in Healthy Men and Women: The Framingham Heart Study, 1239
Dopamine D_1 Receptor Augmentation of D_3 Receptor Action in Rat Aortic or Mesenteric Vascular Smooth Muscles, 673
Eplerenone Prevents Salt-Induced Vascular Remodeling and Cardiac Fibrosis in Stroke-Prone Spontaneously Hypertensive Rats, 1252
Increased Central Artery Stiffness in Impaired Glucose Metabolism and Type 2 Diabetes: The Hoorn Study, 176
Mediators of Bradykinin-Induced Vasorelaxation in Human Coronary Microarteries, 488
Nitric Oxide Donor Sodium Nitroprusside Dilates Rat Small Arteries by Activation of Inward Rectifier Potassium Channels, 891
PI3-Kinase Upregulation and Involvement in Spontaneous Tone in Arteries From DOCA-Salt Rats: Is p110δ the Culprit? 885

Arterioles
Endothelium-Derived Nitric Oxide Modulates Vascular Action of Aldosterone in Renal Arteriole, 352
Role of Endothelium-Derived Hyperpolarizing Factor in ACE Inhibitor-Induced Renal Vasodilation in Vivo, 603

Arteriosclerosis
Changes in Arterial Stiffness and Wave Reflection With Advancing Age in Healthy Men and Women: The Framingham Heart Study, 1239
Childhood Blood Pressure as a Predictor of Arterial Stiffness in Young Adults: The Bogalusa Heart Study, 541

Atherosclerosis
C242T *CYBA* Polymorphism of the NADPH Oxidase Is Associated With Reduced Respiratory Burst in Human Neutrophils, 1246
Enhanced Vascular Activity of Endogenous Endothelin-1 in Obese Hypertensive Patients, 36
Peroxisome Proliferator-Activated Receptor γ: Implications for Cardiovascular Disease, 297
Short Telomeres Are Associated With Increased Carotid Atherosclerosis in Hypertensive Subjects, 182
Statins Augment Collateral Growth in Response to Ischemia but They Do Not Promote Cancer and Atherosclerosis, 1214

Atrial natriuretic factor
Sgk1 Mediates Osmotic Induction of NPR-A Gene in Rat Inner Medullary Collecting Duct Cells, 866
Sphingosine-1-Phosphate Inhibits C-Type Natriuretic Peptide Activation of Guanylyl Cyclase B (GC-B/NPR-B), 1103

Autonomic nervous system
Alterations in Sympathetic Ganglionic Transmission in Response to Angiotensin II in (mRen2)27 Transgenic Rats, 270
Nitric Oxide and Cardiac Muscarinic Control in Humans, 1023

B

Baroreceptor reflex
Transmission of Arterial Baroreflex Signals Depends on Neuronal Nitric Oxide Synthase, 820

Baroreflex
α-2 Adrenergic Transmission and Human Baroreflex Regulation, 1035
Baroreflex Buffering of Sympathetic Activation During Sleep: Evidence From Autonomic Assessment of Sleep Macroarchitecture and Microarchitecture, 814
Clonidine Improves Spontaneous Baroreflex Sensitivity in Conscious Mice Through Parasympathetic Activation, 1042
Familial and Genomic Analyses of Postural Changes in Systolic and Diastolic Blood Pressure, 586
Peri-Implantation Undernutrition Programs Blunted Angiotensin II Evoked Baroreflex Responses in Young Adult Sheep, 1290
Prolonged Activation of the Baroreflex Produces Sustained Hypotension, 306

Blacks
Prevalence, Detection, Management, and Control of Hypertension in Ashanti, West Africa, 1017
Urinary Potassium Excretion and Sodium Sensitivity in Blacks, 707

Blood flow
Blood Pressure Management in Patients With Acute Ischemic Stroke, 137

Blood pressure
α-2 Adrenergic Transmission and Human Baroreflex Regulation, 1035
Activating Mutation of the Renal Epithelial Chloride Channel ClC-Kb Predisposing to Hypertension, 1175
Adverse Prognostic Significance of New Diabetes in Treated Hypertensive Subjects, 963
Aldosterone Antagonism Attenuates Obesity-Induced Hypertension and Glomerular Hyperfiltration, 41
Arterial Stiffness and Kidney Function, 163
Association Between Physical Activity and Blood Pressure Is Modified by Variants in the G-Protein Coupled Receptor 10, 224
Baroreflex Buffering of Sympathetic Activation During Sleep: Evidence From Autonomic Assessment of Sleep Macroarchitecture and Microarchitecture, 814
Blood Pressure Control and Physician Management of Hypertension in Hospital Hypertension Units in Spain, 1338
Blood Pressure Differences Between Northern and Southern Chinese: Role of Dietary Factors: The International Study on Macronutrients and Blood Pressure, 1332
Blood Pressure Response to Caffeine Shows Incomplete Tolerance After Short-Term Regular Consumption, 760
C-Reactive Protein Modifies the Relationship Between Blood Pressure and Microalbuminuria, 791
Clonidine Improves Spontaneous Baroreflex Sensitivity in Conscious Mice Through Parasympathetic Activation, 1042
Combination of Renin-Angiotensin System Polymorphisms Is Associated With Altered Renal Sodium Handling and Hypertension, 598
Dopamine D_1 Receptor Augmentation of D_3 Receptor Action in Rat Aortic or Mesenteric Vascular Smooth Muscles, 673
Effect of Birth Weight on Blood Pressure and Body Size in Early Adolescence, 203
Effect of Dietary Sodium Intake on Blood Lipids: Results From the DASH-Sodium Trial, 393
Endogenous Angiotensin and Pressure Modulate Brain Angiotensinogen and AT_{1A} mRNA Expression, 317
Evidence for a Causal Role of the Renin-Angiotensin System in Vascular Dysfunction Associated With Insulin Resistance, 255
Evidence for a Gene on Chromosome 13 Influencing Postural Systolic Blood Pressure Change and Body Mass Index, 780
Familial and Genomic Analyses of Postural Changes in Systolic and Diastolic Blood Pressure, 586
Ghrelin Acts at the Nucleus of the Solitary Tract to Decrease Arterial Pressure in Rats, 977
Guidelines for Hypertension: Are Quality-Assurance Measures on Target? 198
Heme Oxygenase-1 Gene Expression Modulates Angiotensin II-Induced Increase in Blood Pressure, 1221
Heritability of Leukoaraiosis in Hypertensive Sibships, 483
High Blood Pressure in Acute Stroke and Subsequent Outcome: A Systematic Review, 18
2-Hydroxyoleic Acid: A New Hypotensive Molecule, 249
Hypoadiponectinemia Is an Independent Risk Factor for Hypertension, 1318
Indicators of Fetal Growth Do Not Independently Predict Blood Pressure in 8-Year-Old Australians: A Prospective Cohort Study, 208
Insulin Resistance and Hypertension: The Insulin Resistance Atherosclerosis Study, 1324
Integrating Drug Pharmacokinetics for Phenotyping Individual Renin Response to Angiotensin II Blockade in Humans, 785
Low Birth Weight Predicts Higher Blood Pressure But Not Dermal Capillary Density in Two Populations, 610
Nitric Oxide May Prevent Hypertension Early in Diabetes by Counteracting Renal Actions of Superoxide, 57
Normative Values for Circadian and Ultradian Cardiovascular Rhythms in Childhood, 547
Peri-Implantation Undernutrition Programs Blunted Angiotensin II Evoked Baroreflex Responses in Young Adult Sheep, 1290
Positional Identification of Hypertension Susceptibility Genes on Chromosome 2, 477
Reduced Endothelial NO-cGMP-Mediated Vascular Relaxation and Hypertension in IL-6-Infused Pregnant Rats, 434
Relationship of Physical Activity and Body Mass Index to the Risk of Hypertension: A Prospective Study in Finland, 25
Renal Interstitial Guanosine Cyclic 3′, 5′-Monophosphate Mediates Pressure-Natriuresis Via Protein Kinase G, 1133
Rho/Rho-Kinase Pathway in the Brainstem Contributes to Hypertension Caused by Chronic Nitric Oxide Synthase Inhibition, 156
Role of Adrenergic Activity in Pressor Responses to Chronic Melanocortin Receptor Activation, 370
Role of Hypothalamic Melanocortin 3/4-Receptors in Mediating Chronic Cardiovascular, Renal, and Metabolic Actions of Leptin, 1312
Sympathetic Responses to Stress and Rilmenidine in 2K1C Rabbits: Evidence of Enhanced Nonvascular Effector Mechanism, 636
Tempol Lowers Blood Pressure and Sympathetic Nerve Activity But Not Vascular O_2^- in DOCA-Salt Rats, 329
Two Quantitative Trait Loci Affect ACE Activities in Mexican-Americans, 466

Blood pressure monitoring
Daily Nighttime Melatonin Reduces Blood Pressure in Male Patients With Essential Hypertension, 192
Hypertension Treatment and Control in Five European Countries, Canada, and the United States, 10

Blood pressure response
Determinants of Blood Pressure Response to Quinapril in Black and White Hypertensive Patients: The Quinapril Titration Interval Management Evaluation Trial, 1202

Body mass index
Association Between Blood Pressure and Resting Energy Expenditure Independent of Body Size, 555
Evidence for a Gene on Chromosome 13 Influencing Postural Systolic Blood Pressure Change and Body Mass Index, 780
Relationship of Physical Activity and Body Mass Index to the Risk of Hypertension: A Prospective Study in Finland, 25

Body weight
Association Between Blood Pressure and Resting Energy Expenditure Independent of Body Size, 555

Bradykinin
Effect of Reduced Angiotensin-Converting Enzyme Gene Expression and Angiotensin-Converting Enzyme Inhibition on Angiotensin and Bradykinin Peptide Levels in Mice, 854
Mediators of Bradykinin-Induced Vasorelaxation in Human Coronary Microarteries, 488
Relationship Between Carbamoyl-Phosphate Synthetase Genotype and Systemic Vascular Function, 186
Role of Endothelium-Derived Hyperpolarizing Factor in ACE Inhibitor-Induced Renal Vasodilation in Vivo, 603
Stimulation of Cyclic GMP Production via AT_2 and B_2 Receptors in the Pressure-Overloaded Aorta After Banding, 1258

Brain
Decrease in Hypothalamic Gamma Adducin in Rat Models of Hypertension, 324
Heritability of Leukoaraiosis in Hypertensive Sibships, 483

Rho/Rho-Kinase Pathway in the Brainstem Contributes to Hypertension Caused by Chronic Nitric Oxide Synthase Inhibition, 156

C

Caffeine
Blood Pressure Response to Caffeine Shows Incomplete Tolerance After Short-Term Regular Consumption, 760
Calcium
Age-Related Reduction in Estrogen Receptor-Mediated Mechanisms of Vascular Relaxation in Female Spontaneously Hypertensive Rats, 405
Angiotensin II Stimulates Calcium and Nitric Oxide Release From Macula Densa Cells Through AT_1 Receptors, 649
Attenuation of Lysophosphatidylcholine-Induced Suppression of ANP Release From Hypertrophied Atria, 243
Endothelin-1 Promotes Ca^{2+} Antagonist-Insensitive Coronary Smooth Muscle Contraction Via Activation of ϵ-Protein Kinase C, 897
Pulse Pressure Is an Independent Predictor for the Progression of Aortic Wall Calcification in Patients With Controlled Hyperlipidemia, 536
Calcium channel
Calcium Channel Blocker Azelnidipine Enhances Vascular Protective Effects of AT_1 Receptor Blocker Olmesartan, 263
Capillaries
Low Birth Weight Predicts Higher Blood Pressure But Not Dermal Capillary Density in Two Populations, 610
Carbon monoxide
Nitric Oxide Synthesis Inhibition Promotes Renal Production of Carbon Monoxide, 347
Cardiac function
Ac-SDKP Reverses Inflammation and Fibrosis in Rats With Heart Failure After Myocardial Infarction, 229
Endogenous Diadenosine Tetraphosphate, Diadenosine Pentaphosphate, and Diadenosine Hexaphosphate in Human Myocardial Tissue, 1055
Simvastatin Prevents Load-Induced Protein Tyrosine Nitration in Overloaded Hearts, 1060
Cardiac output
Aldosterone Antagonism Attenuates Obesity-Induced Hypertension and Glomerular Hyperfiltration, 41
Cardiovascular diseases
Blood Pressure Control and Physician Management of Hypertension in Hospital Hypertension Units in Spain, 1338
C-Reactive Protein Modifies the Relationship Between Blood Pressure and Microalbuminuria, 791
Cardiovascular Risk Factors and Sequelae in Hypertensive Children Identified by Referral Versus School-Based Screening, 214
Childhood Blood Pressure as a Predictor of Arterial Stiffness in Young Adults: The Bogalusa Heart Study, 541
Left Ventricular Concentric Geometry During Treatment Adversely Affects Cardiovascular Prognosis in Hypertensive Patients, 731
Major Quantitative Trait Locus for Resting Heart Rate Maps to a Region on Chromosome 4, 1146
Obesity and Hypertension-Induced Restrictive Cardiomyopathy: A Harbinger of Things to Come, 911
Carotid arteries
Angiotensin II-Induced Vascular Dysfunction Is Mediated by the AT_{1A} Receptor in Mice, 1074
PPARγ Agonist Rosiglitazone Improves Vascular Function and Lowers Blood Pressure in Hypertensive Transgenic Mice, 661
Role of Membrane Potential and Expression of Endothelial Factors in Restenosis After Angioplasty in SHR, 131
Short Telomeres Are Associated With Increased Carotid Atherosclerosis in Hypertensive Subjects, 182
Catecholamines
Nitric Oxide and Cardiac Muscarinic Control in Humans, 1023
Sympathetic Augmentation in Hypertension: Role of Nerve Firing, Norepinephrine Reuptake, and Angiotensin Neuromodulation, 169
Cell adhesion molecules
ET_A Receptor Mediates Altered Leukocyte-Endothelial Cell Interaction and Adhesion Molecules Expression in DOCA-Salt Rats, 872
In Vivo Evaluation of Retinal Injury After Transient Ischemia in Hypertensive Rats, 1098
Central nervous system
Blood Pressure Management in Patients With Acute Ischemic Stroke, 137
Cerebrovascular disorders
Blood Pressure Management in Patients With Acute Ischemic Stroke, 137
Children
Cardiovascular Risk Factors and Sequelae in Hypertensive Children Identified by Referral Versus School-Based Screening, 214
Childhood Blood Pressure as a Predictor of Arterial Stiffness in Young Adults: The Bogalusa Heart Study, 541
Indicators of Fetal Growth Do Not Independently Predict Blood Pressure in 8-Year-Old Australians: A Prospective Cohort Study, 208
Low Birth Weight Predicts Higher Blood Pressure But Not Dermal Capillary Density in Two Populations, 610
Normative Values for Circadian and Ultradian Cardiovascular Rhythms in Childhood, 547
Cholesterol
Effect of Dietary Sodium Intake on Blood Lipids: Results From the DASH-Sodium Trial, 393
Statins Augment Collateral Growth in Response to Ischemia but They Do Not Promote Cancer and Atherosclerosis, 1214
Circadian rhythm
Daily Nighttime Melatonin Reduces Blood Pressure in Male Patients With Essential Hypertension, 192
Circulation
Statins Augment Collateral Growth in Response to Ischemia but They Do Not Promote Cancer and Atherosclerosis, 1214
Clinical trials
Blood Pressure Management in Patients With Acute Ischemic Stroke, 137
Dietary Sodium and Blood Pressure, 932
Guidelines for Hypertension: Are Quality-Assurance Measures on Target? 198
Hydrochlorothiazide Versus Chlorthalidone: Evidence Supporting Their Interchangeability, 4
Impaired 11-β Hydroxysteroid Dehydrogenase Type 2 Activity in Sweat Gland Ducts in Human Essential Hypertension, 803
Insulin Resistance and Alterations in Angiogenesis: Additive Insults That May Lead to Preeclampsia, 988
Manifestations of Metabolic Syndrome After Hypertensive Pregnancy, 825
Collagen
Ac-SDKP Reverses Inflammation and Fibrosis in Rats With Heart Failure After Myocardial Infarction, 229
Eplerenone Prevents Salt-Induced Vascular Remodeling and Cardiac Fibrosis in Stroke-Prone Spontaneously Hypertensive Rats, 1252
Compliance
Increased Central Artery Stiffness in Impaired Glucose Metabolism and Type 2 Diabetes: The Hoorn Study, 176
Constriction
Decreased Endothelium-Dependent NO-cGMP Vascular Relaxation and Hypertension in Growth-Restricted Rats on a High-Salt Diet, 420
Coronary disease
Glucose-Cholesterol Interaction Magnifies Coronary Heart Disease Risk for Hypertensive Patients, 983
Corticosterone
Hypersensitivity of the Adrenal Cortex to Trophic and Secretory Effects of Angiotensin II in Lyon Genetically-Hypertensive Rats, 87
Impaired 11-β Hydroxysteroid Dehydrogenase Type 2 Activity in Sweat Gland Ducts in Human Essential Hypertension, 803
Cross-sectional studies
Factors Associated With Hypertension Awareness, Treatment, and Control in a Representative Sample of the Chinese Population, 578
Hypertension Treatment and Control in Five European Countries, Canada, and the United States, 10
Cyclic GMP
Characterization of a cGMP-Response Element in the Guanylyl Cyclase/Natriuretic Peptide Receptor A Gene Promoter, 1270
Forced Homodimerization by Site-Directed Mutagenesis Alters Guanylyl Cyclase Activity of Natriuretic Peptide Receptor B, 460

Production and Role of Extracellular Guanosine Cyclic 3′, 5′ Monophosphate in Sodium Uptake in Human Proximal Tubule Cells, 286
Reduced NOS3 Phosphorylation Mediates Reduced NO/cGMP Signaling in Mesenteric Arteries of Deoxycorticosterone Acetate-Salt Hypertensive Rats, 1080
Renal Interstitial Guanosine Cyclic 3′, 5′-Monophosphate Mediates Pressure-Natriuresis Via Protein Kinase G, 1133
Sphingosine-1-Phosphate Inhibits C-Type Natriuretic Peptide Activation of Guanylyl Cyclase B (GC-B/NPR-B), 1103
Stimulation of Cyclic GMP Production via AT_2 and B_2 Receptors in the Pressure-Overloaded Aorta After Banding, 1258

Cyclooxygenase
Cyclooxygenase Involvement in Thromboxane-Dependent Contraction in Rat Mesenteric Resistance Arteries, 1264
Cyclooxygenases, the Kidney, and Hypertension, 525
Role for Thromboxane Receptors in Angiotensin-II-Induced Hypertension, 364

CYP-450
Cytochrome P-450 Inhibition Attenuates Hypertension Induced by Reductions in Uterine Perfusion Pressure in Pregnant Rats, 623

D

Deoxycorticosterone
ET_A Receptor Mediates Altered Leukocyte-Endothelial Cell Interaction and Adhesion Molecules Expression in DOCA-Salt Rats, 872
Low $[Mg^{2+}]_e$ Enhances Arterial Spontaneous Tone via Phosphatidylinositol 3-Kinase in DOCA-Salt Hypertension, 125
p38 Mitogen-Activated Protein Kinase Contributes to the Diminished Aortic Contraction by Endothelin-1 in DOCA-Salt Hypertensive Rats, 1086
Reduced NOS3 Phosphorylation Mediates Reduced NO/cGMP Signaling in Mesenteric Arteries of Deoxycorticosterone Acetate-Salt Hypertensive Rats, 1080

Diabetes mellitus
Angiotensin II Type-1 Receptor Blocker Valsartan Enhances Insulin Sensitivity in Skeletal Muscles of Diabetic Mice, 1003
Guidelines for Hypertension: Are Quality-Assurance Measures on Target? 198
Increased Central Artery Stiffness in Impaired Glucose Metabolism and Type 2 Diabetes: The Hoorn Study, 176
Insulin Resistance and Hypertension: The Insulin Resistance Atherosclerosis Study, 1324
Nitric Oxide May Prevent Hypertension Early in Diabetes by Counteracting Renal Actions of Superoxide, 57
Novel Mechanisms Responsible for Postmenopausal Hypertension, 918
Peroxisome Proliferator-Activated Receptor γ: Implications for Cardiovascular Disease, 297
Persistent Remodeling of Resistance Arteries in Type 2 Diabetic Patients on Antihypertensive Treatment, 399
Renal Oxidative Stress in Medullary Thick Ascending Limbs Produced by Elevated NaCl and Glucose, 341
Retinal Expression of Vascular Endothelial Growth Factor Is Mediated by Angiotensin Type 1 and Type 2 Receptors, 276

Diabetic nephropathy
Causes and Consequences of Increased Sympathetic Activity in Renal Disease, 699
Increased ACE 2 and Decreased ACE Protein in Renal Tubules From Diabetic Mice: A Renoprotective Combination? 1120

Diastole
AT1 Receptor Blocker Added to ACE Inhibitor Provides Benefits at Advanced Stage of Hypertensive Diastolic Heart Failure, 686
Hypertensive Myocardial Fibrosis and Diastolic Dysfunction: Another Model of Inflammation? 739

Diet
Blood Pressure Differences Between Northern and Southern Chinese: Role of Dietary Factors: The International Study on Macronutrients and Blood Pressure, 1332
Blood Pressure Response to Caffeine Shows Incomplete Tolerance After Short-Term Regular Consumption, 760
Dietary Sodium and Blood Pressure, 932
Effect of Dietary Sodium Intake on Blood Lipids: Results From the DASH-Sodium Trial, 393
Role of Endothelin-1 in Blood Pressure Regulation in a Rat Model of Visceral Obesity and Hypertension, 383

Diuretics
Adverse Prognostic Significance of New Diabetes in Treated Hypertensive Subjects, 963
Effects of Indapamide, a Thiazide-Like Diuretic, on Structure of Cerebral Arterioles in Hypertensive Rats, 1092
Hydrochlorothiazide Versus Chlorthalidone: Evidence Supporting Their Interchangeability, 4

Dopamine
Aberrant D_1 and D_3 Dopamine Receptor Transregulation in Hypertension, 654
Dopamine D_1 Receptor Augmentation of D_3 Receptor Action in Rat Aortic or Mesenteric Vascular Smooth Muscles, 673
Rosiglitazone Restores G-Protein Coupling, Recruitment, and Function of Renal Dopamine D_{1A} Receptor in Obese Zucker Rats, 376

Drug therapy
Overlap Between Whites and Blacks in Response to Antihypertensive Drugs, 566

E

Echocardiography
Adverse Prognostic Significance of New Diabetes in Treated Hypertensive Subjects, 963
Amino-Terminal Pro-C-Type Natriuretic Peptide in Heart Failure, 94
Cardiovascular Risk Factors and Sequelae in Hypertensive Children Identified by Referral Versus School-Based Screening, 214
Combined Echocardiographic Left Ventricular Hypertrophy and Electrocardiographic ST Depression Improve Prediction of Mortality in American Indians: The Strong Heart Study, 769
Raloxifene Prevents Cardiac Hypertrophy and Dysfunction in Pressure-Overloaded Mice, 237
Relations of Serum Aldosterone to Cardiac Structure: Gender-Related Differences in the Framingham Heart Study, 957

Editorial Commentaries
ACE Inhibition and Bradykinin-Mediated Renal Vascular Responses: EDHF Involvement, 533
Angiotensin Type-1 Receptor Blockade Increases ACE 2 Expression in the Heart, 943
Cardiac Angiotensin AT_2 Receptor: What *Exactly* Does It Do? 1162
Concentric or Eccentric Hypertrophy: How Clinically Relevant Is the Difference? 714
Death Receptor Induced Apoptosis: A New Mechanism of Homocysteine-Mediated Endothelial Cell Cytotoxicity, 1168
Diastolic and Pulse Pressure: The Old and the New? 531
Effect of Caffeine on Blood Pressure Beyond the Laboratory, 724
From Inflammation to Fibrosis: A Stiff Stretch of Highway, 716
Gene Therapy and Heme Oxygenase Coming of Age, 1173
How Does Angiotensin II Cause Renal Injury? 722
Increased Aortic Stiffness: An Unfavorable Cardiorenal Connection, 151
Is the Female Heart More Sensitive to Aldosterone for Early Remodeling? 936
Left Ventricular Hypertrophy Is More Common in Black than White Hypertensives: Is This News? 1160
The Many Targets of Aldosterone, 938
Neurogenic Hypertension: Is the Enigma of Its Origin Near the Solution? 154
Neurotransmission in Central Cardiovascular Control: 10 Suggestions for Microinjections, 945
Profibrotic Effects of Angiotensin II in the Heart: A Matter of Mediators, 1164
Seventh Report of the Joint National Committee on Prevention, Detection, Evaluation, and Treatment of High Blood Pressure and Evidence From New Hypertension Trials, 1
Smart Gene Therapy for the Heart, 720
Statin Therapy: Having the Good Without the Bad, 1171
Variability in Response to Antihypertensive Drug Treatment, 1166
When Does New Onset Diabetes Resulting From Antihypertensive Therapy Increase Cardiovascular Risk, 941

Elasticity
Changes in Arterial Stiffness and Wave Reflection With Advancing Age in Healthy Men and Women: The Framingham Heart Study, 1239

Elderly
Changes in Arterial Stiffness and Wave Reflection With Advancing Age in Healthy Men and Women: The Framingham Heart Study, 1239
Electrocardiography
Combined Echocardiographic Left Ventricular Hypertrophy and Electrocardiographic ST Depression Improve Prediction of Mortality in American Indians: The Strong Heart Study, 769
QRS Duration and QT Interval Predict Mortality in Hypertensive Patients With Left Ventricular Hypertrophy: The Losartan Intervention for Endpoint Reduction in Hypertension Study, 1029
Electrolytes
Dietary Sodium and Blood Pressure, 932
Endothelial growth factors
Fas Signaling Induces Akt Activation and Upregulation of Endothelial Nitric Oxide Synthase Expression, 880
Endothelin
Different Growth Factor Activation in the Right and Left Ventricles in Experimental Volume Overload, 101
Endothelin-1 Promotes Ca^{2+} Antagonist-Insensitive Coronary Smooth Muscle Contraction Via Activation of ϵ-Protein Kinase C, 897
Enhanced Vascular Activity of Endogenous Endothelin-1 in Obese Hypertensive Patients, 36
ET_A Receptor Mediates Altered Leukocyte-Endothelial Cell Interaction and Adhesion Molecules Expression in DOCA-Salt Rats, 872
Increased O_2^- Production and Upregulation of ET_B Receptors by Sympathetic Neurons in DOCA-Salt Hypertensive Rats, 1048
Novel Mechanisms Responsible for Postmenopausal Hypertension, 918
p38 Mitogen-Activated Protein Kinase Contributes to the Diminished Aortic Contraction by Endothelin-1 in DOCA-Salt Hypertensive Rats, 1086
PPARγ Agonist Rosiglitazone Improves Vascular Function and Lowers Blood Pressure in Hypertensive Transgenic Mice, 661
Role of Membrane Potential and Expression of Endothelial Factors in Restenosis After Angioplasty in SHR, 131
Endothelium
Age-Related Reduction in Estrogen Receptor-Mediated Mechanisms of Vascular Relaxation in Female Spontaneously Hypertensive Rats, 405
Angiotensin II-Induced Vascular Dysfunction Is Mediated by the AT_{1A} Receptor in Mice, 1074
Cardiovascular and Renal Phenotype in Mice With One or Two Renin Genes, 79
Decreased Endothelium-Dependent NO-cGMP Vascular Relaxation and Hypertension in Growth-Restricted Rats on a High-Salt Diet, 420
Endothelium-Derived Nitric Oxide Modulates Vascular Action of Aldosterone in Renal Arteriole, 352
Evidence for a Causal Role of the Renin-Angiotensin System in Vascular Dysfunction Associated With Insulin Resistance, 255
Homocysteine Enhances Endothelial Apoptosis via Upregulation of Fas-Mediated Pathways, 1208
Human Endothelium: Target for Aldosterone, 952
Persistent Remodeling of Resistance Arteries in Type 2 Diabetic Patients on Antihypertensive Treatment, 399
Reduced Endothelial NO-cGMP-Mediated Vascular Relaxation and Hypertension in IL-6-Infused Pregnant Rats, 434
Relationship Between Carbamoyl-Phosphate Synthetase Genotype and Systemic Vascular Function, 186
Salt Intake, Endothelial Cell Signaling, and Progression of Kidney Disease, 142
Selective Increase in Renal Arcuate Innervation Density and Neurogenic Constriction in Chronic Angiotensin II-Infused Rats, 643
Endothelium-derived factors
Apamin-Sensitive K^+ Currents Mediate Arachidonic Acid-Induced Relaxations of Rabbit Aorta, 413
Mediators of Bradykinin-Induced Vasorelaxation in Human Coronary Microarteries, 488
Role of Endothelium-Derived Hyperpolarizing Factor in ACE Inhibitor-Induced Renal Vasodilation in Vivo, 603
Epidemiology
Adverse Prognostic Significance of New Diabetes in Treated Hypertensive Subjects, 963
Association Between Physical Activity and Blood Pressure Is Modified by Variants in the G-Protein Coupled Receptor 10, 224
Prevalence, Detection, Management, and Control of Hypertension in Ashanti, West Africa, 1017
Relation Between Socioeconomic Status, Race-Ethnicity, and Left Ventricular Mass: The Northern Manhattan Study, 775
Relations of Serum Aldosterone to Cardiac Structure: Gender-Related Differences in the Framingham Heart Study, 957
Ethnic groups
Activating Mutation of the Renal Epithelial Chloride Channel ClC-Kb Predisposing to Hypertension, 1175
Two Quantitative Trait Loci Affect ACE Activities in Mexican-Americans, 466
Ethnicity
Alpha$_2$-Adrenergic Receptor-Induced Vascular Constriction in Blacks and Whites, 31
Differences in Left Ventricular Structure Between Black and White Hypertensive Adults: The Hypertension Genetic Epidemiology Network Study, 1182
Exercise
Association Between Physical Activity and Blood Pressure Is Modified by Variants in the G-Protein Coupled Receptor 10, 224
Relationship of Physical Activity and Body Mass Index to the Risk of Hypertension: A Prospective Study in Finland, 25
Extracellular matrix
Role of Osteopontin in Cardiac Fibrosis and Remodeling in Angiotensin II-Induced Cardiac Hypertrophy, 1195

F

Fatty acids
Epoxy-Keto Derivative of Linoleic Acid Stimulates Aldosterone Secretion, 358
2-Hydroxyoleic Acid: A New Hypotensive Molecule, 249
Resistant Hypertension, Obesity, Sleep Apnea, and Aldosterone: Theory and Therapy, 518
Fibrosis
Hypertensive Myocardial Fibrosis and Diastolic Dysfunction: Another Model of Inflammation? 739
Pressure-Independent Effects of Angiotensin II on Hypertensive Myocardial Fibrosis, 499
Role of Osteopontin in Cardiac Fibrosis and Remodeling in Angiotensin II-Induced Cardiac Hypertrophy, 1195
Fluorescence
Renal Oxidative Stress in Medullary Thick Ascending Limbs Produced by Elevated NaCl and Glucose, 341
Free radicals
Evidence for a Causal Role of the Renin-Angiotensin System in Vascular Dysfunction Associated With Insulin Resistance, 255
Pioglitazone Prevents Hypertension and Reduces Oxidative Stress in Diet-Induced Obesity, 48
Fructose
Androgens Are Necessary for the Development of Fructose-Induced Hypertension, 667

G

G proteins
2-Hydroxyoleic Acid: A New Hypotensive Molecule, 249
Gene expression
Autosomal-Dominant Hypertension With Type E Brachydactyly Is Caused by Rearrangement on the Short Arm of Chromosome 12, 471
Broadly Altered Gene Expression in Blood Leukocytes in Essential Hypertension Is Absent During Treatment, 947
Focal Adhesion Protein Zyxin Is a Mechanosensitive Modulator of Gene Expression in Vascular Smooth Muscle Cells, 726
Neuroendocrine Transcriptome in Genetic Hypertension: Multiple Changes in Diverse Adrenal Physiological Systems, 1301
Salt Intake, Endothelial Cell Signaling, and Progression of Kidney Disease, 142
Gene regulation
Sgk1 Mediates Osmotic Induction of NPR-A Gene in Rat Inner Medullary Collecting Duct Cells, 866

Gene transfer
Kallikrein Gene Transfer Protects Against Ischemic Stroke by Promoting Glial Cell Migration and Inhibiting Apoptosis, 452
Genes
Activating Mutation of the Renal Epithelial Chloride Channel ClC-Kb Predisposing to Hypertension, 1175
Adrenomedullin Protects Against Myocardial Apoptosis After Ischemia/Reperfusion Through Activation of Akt-GSK Signaling, 109
Combination of Renin-Angiotensin System Polymorphisms Is Associated With Altered Renal Sodium Handling and Hypertension, 598
Heme Oxygenase-1 Gene Expression Modulates Angiotensin II-Induced Increase in Blood Pressure, 1221
Positional Identification of Hypertension Susceptibility Genes on Chromosome 2, 477
Prevention of Cardiac Hypertrophy by Angiotensin II Type-2 Receptor Gene Transfer, 1233
Protection From Ischemic Heart Injury by a Vigilant Heme Oxygenase-1 Plasmid System, 746
Genetics
WNK4 Intron 10 Polymorphism Is Not Associated With Hypertension, 766
Association Between Physical Activity and Blood Pressure Is Modified by Variants in the G-Protein Coupled Receptor 10, 224
Autosomal-Dominant Hypertension With Type E Brachydactyly Is Caused by Rearrangement on the Short Arm of Chromosome 12, 471
Evidence for a Gene on Chromosome 13 Influencing Postural Systolic Blood Pressure Change and Body Mass Index, 780
Functional Variant in the α_{2B} Adrenoceptor Gene, a Positional Candidate on Chromosome 2, Associates With Hypertension, 592
Geneticism of Essential Hypertension, 1155
Heritability of Leukoaraiosis in Hypertensive Sibships, 483
Hypoadiponectinemia Is an Independent Risk Factor for Hypertension, 1318
Implication of an AGT Haplotype in a Multigene Association Study With Pregnancy Hypertension, 71
Left Ventricle Mass Index and the Common, Functional, X-Linked Angiotensin II Type-2 Receptor Gene Polymorphism (−1332 G/A) in Patients With Systemic Hypertension, 1189
Major Quantitative Trait Locus for Resting Heart Rate Maps to a Region on Chromosome 4, 1146
Neuroendocrine Transcriptome in Genetic Hypertension: Multiple Changes in Diverse Adrenal Physiological Systems, 1301
Positional Identification of Hypertension Susceptibility Genes on Chromosome 2, 477
Relationship Between Carbamoyl-Phosphate Synthetase Genotype and Systemic Vascular Function, 186
Two Quantitative Trait Loci Affect ACE Activities in Mexican-Americans, 466
Glomerular filtration rate
Activating Mutation of the Renal Epithelial Chloride Channel ClC-Kb Predisposing to Hypertension, 1175
Aldosterone Antagonism Attenuates Obesity-Induced Hypertension and Glomerular Hyperfiltration, 41
Cyclooxygenases, the Kidney, and Hypertension, 525
Effects of COX Inhibition on Blood Pressure and Kidney Function in ACE Inhibitor-Treated Blacks and Hispanics, 573
Heterogeneity of Cardiorenal Characteristics in Normotensive Subjects, 219
Nitric Oxide May Prevent Hypertension Early in Diabetes by Counteracting Renal Actions of Superoxide, 57
Reduced Uteroplacental Blood Flow Alters Renal Arterial Reactivity and Glomerular Properties in the Rat Offspring, 1283
Glucocorticoids
Sgk1 Mediates Osmotic Induction of NPR-A Gene in Rat Inner Medullary Collecting Duct Cells, 866
Glucose
Angiotensin II Type-1 Receptor Blocker Valsartan Enhances Insulin Sensitivity in Skeletal Muscles of Diabetic Mice, 1003
Glucose-Cholesterol Interaction Magnifies Coronary Heart Disease Risk for Hypertensive Patients, 983
Growth substances
Acromegalic Patients Show the Presence of Hypertrophic Remodeling of Subcutaneous Small Resistance Arteries, 561

H

Haplotypes
Implication of an AGT Haplotype in a Multigene Association Study With Pregnancy Hypertension, 71
Heart
Cardiac Uptake-1 Inhibition by High Circulating Norepinephrine Levels in Patients with Pheochromocytoma, 1227
Eplerenone Prevents Salt-Induced Vascular Remodeling and Cardiac Fibrosis in Stroke-Prone Spontaneously Hypertensive Rats, 1252
Obesity and Hypertension-Induced Restrictive Cardiomyopathy: A Harbinger of Things to Come, 911
Prolyl Oligopeptidase Is Involved in Release of the Antifibrotic Peptide Ac-SDKP, 1140
Protection From Ischemic Heart Injury by a Vigilant Heme Oxygenase-1 Plasmid System, 746
Simvastatin Prevents Load-Induced Protein Tyrosine Nitration in Overloaded Hearts, 1060
Heart failure
Amino-Terminal Pro-C-Type Natriuretic Peptide in Heart Failure, 94
AT1 Receptor Blocker Added to ACE Inhibitor Provides Benefits at Advanced Stage of Hypertensive Diastolic Heart Failure, 686
Raloxifene Prevents Cardiac Hypertrophy and Dysfunction in Pressure-Overloaded Mice, 237
Upregulation of Angiotensin-Converting Enzyme 2 After Myocardial Infarction by Blockade of Angiotensin II Receptors, 970
Heart rate
α-2 Adrenergic Transmission and Human Baroreflex Regulation, 1035
Baroreflex Buffering of Sympathetic Activation During Sleep: Evidence From Autonomic Assessment of Sleep Macroarchitecture and Microarchitecture, 814
Clonidine Improves Spontaneous Baroreflex Sensitivity in Conscious Mice Through Parasympathetic Activation, 1042
Endogenous Angiotensin and Pressure Modulate Brain Angiotensinogen and AT_{1A} mRNA Expression, 317
Nitric Oxide and Cardiac Muscarinic Control in Humans, 1023
Normative Values for Circadian and Ultradian Cardiovascular Rhythms in Childhood, 547
Sympathetic Responses to Stress and Rilmenidine in 2K1C Rabbits: Evidence of Enhanced Nonvascular Effector Mechanism, 636
Heme oxygenase
Nitric Oxide Synthesis Inhibition Promotes Renal Production of Carbon Monoxide, 347
Hemodynamics
Different Growth Factor Activation in the Right and Left Ventricles in Experimental Volume Overload, 101
Hemoglobin
Hemodilution With Stoma-Free Hemoglobin at Physiologically Maintained Viscosity Delays the Onset of Vasoconstriction, 1110
Hormones
Age-Related Reduction in Estrogen Receptor-Mediated Mechanisms of Vascular Relaxation in Female Spontaneously Hypertensive Rats, 405
Amino-Terminal Pro-C-Type Natriuretic Peptide in Heart Failure, 94
Daily Nighttime Melatonin Reduces Blood Pressure in Male Patients With Essential Hypertension, 192
Raloxifene Prevents Cardiac Hypertrophy and Dysfunction in Pressure-Overloaded Mice, 237
Human
Alpha$_2$-Adrenergic Receptor-Induced Vascular Constriction in Blacks and Whites, 31
Daily Nighttime Melatonin Reduces Blood Pressure in Male Patients With Essential Hypertension, 192
Major Quantitative Trait Locus for Resting Heart Rate Maps to a Region on Chromosome 4, 1146
Hypercholesterolemia
Glucose-Cholesterol Interaction Magnifies Coronary Heart Disease Risk for Hypertensive Patients, 983
Hyperinsulinemia
Androgens Are Necessary for the Development of Fructose-Induced Hypertension, 667

Hypertension
Aberrant D_1 and D_3 Dopamine Receptor Transregulation in Hypertension, 654
Adverse Prognostic Significance of New Diabetes in Treated Hypertensive Subjects, 963
Alterations in Sympathetic Ganglionic Transmission in Response to Angiotensin II in (mRen2)27 Transgenic Rats, 270
Androgens Are Necessary for the Development of Fructose-Induced Hypertension, 667
Arterial Stiffness and Kidney Function, 163
Association Between Blood Pressure and Resting Energy Expenditure Independent of Body Size, 555
Attenuation of Lysophosphatidylcholine-Induced Suppression of ANP Release From Hypertrophied Atria, 243
Autosomal-Dominant Hypertension With Type E Brachydactyly Is Caused by Rearrangement on the Short Arm of Chromosome 12, 471
Cardiovascular Risk Factors and Sequelae in Hypertensive Children Identified by Referral Versus School-Based Screening, 214
Causes and Consequences of Increased Sympathetic Activity in Renal Disease, 699
Combination of Renin-Angiotensin System Polymorphisms Is Associated With Altered Renal Sodium Handling and Hypertension, 598
Cyclooxygenases, the Kidney, and Hypertension, 525
Cytochrome P-450 Inhibition Attenuates Hypertension Induced by Reductions in Uterine Perfusion Pressure in Pregnant Rats, 623
Daily Nighttime Melatonin Reduces Blood Pressure in Male Patients With Essential Hypertension, 192
Decrease in Hypothalamic Gamma Adducin in Rat Models of Hypertension, 324
Determinants of Blood Pressure Response to Quinapril in Black and White Hypertensive Patients: The Quinapril Titration Interval Management Evaluation Trial, 1202
Dietary NaCl Regulates Renal Aminopeptidase N: Relevance to Hypertension in the Dahl Rat, 282
Effect of Dietary Sodium Intake on Blood Lipids: Results From the DASH-Sodium Trial, 393
Effects of COX Inhibition on Blood Pressure and Kidney Function in ACE Inhibitor-Treated Blacks and Hispanics, 573
Effects of Indapamide, a Thiazide-Like Diuretic, on Structure of Cerebral Arterioles in Hypertensive Rats, 1092
Elevated BSC-1 and ROMK Expression in Dahl Salt-Sensitive Rat Kidneys, 860
Epoxy-Keto Derivative of Linoleic Acid Stimulates Aldosterone Secretion, 358
ET_A Receptor Mediates Altered Leukocyte-Endothelial Cell Interaction and Adhesion Molecules Expression in DOCA-Salt Rats, 872
Fas Signaling Induces Akt Activation and Upregulation of Endothelial Nitric Oxide Synthase Expression, 880
Functional Variant in the α_{2B} Adrenoceptor Gene, a Positional Candidate on Chromosome 2, Associates With Hypertension, 592
Glucose-Cholesterol Interaction Magnifies Coronary Heart Disease Risk for Hypertensive Patients, 983
Guidelines for Hypertension: Are Quality-Assurance Measures on Target? 198
20-HETE and Circulating Insulin in Essential Hypertension With Obesity, 388
Hypertension and Insulin Resistance Are Not Directly Related in Obese Dogs, 1011
Hypertensive Myocardial Fibrosis and Diastolic Dysfunction: Another Model of Inflammation? 739
Impaired 11-β Hydroxysteroid Dehydrogenase Type 2 Activity in Sweat Gland Ducts in Human Essential Hypertension, 803
Increased O_2^- Production and Upregulation of ET_B Receptors by Sympathetic Neurons in DOCA-Salt Hypertensive Rats, 1048
Insulin Resistance and Hypertension: The Insulin Resistance Atherosclerosis Study, 1324
Left Ventricle Mass Index and the Common, Functional, X-Linked Angiotensin II Type-2 Receptor Gene Polymorphism (−1332 G/A) in Patients With Systemic Hypertension, 1189
Left Ventricular Concentric Geometry During Treatment Adversely Affects Cardiovascular Prognosis in Hypertensive Patients, 731
Manifestations of Metabolic Syndrome After Hypertensive Pregnancy, 825
Neuroendocrine Transcriptome in Genetic Hypertension: Multiple Changes in Diverse Adrenal Physiological Systems, 1301
Overlap Between Whites and Blacks in Response to Antihypertensive Drugs, 566
p38 Mitogen-Activated Protein Kinase Contributes to the Diminished Aortic Contraction by Endothelin-1 in DOCA-Salt Hypertensive Rats, 1086
Positional Identification of Hypertension Susceptibility Genes on Chromosome 2, 477
Pulse Pressure Is an Independent Predictor for the Progression of Aortic Wall Calcification in Patients With Controlled Hyperlipidemia, 536
QRS Duration and QT Interval Predict Mortality in Hypertensive Patients With Left Ventricular Hypertrophy: The Losartan Intervention for Endpoint Reduction in Hypertension Study, 1029
Reduced Uteroplacental Blood Flow Alters Renal Arterial Reactivity and Glomerular Properties in the Rat Offspring, 1283
Reduction of Cardiac Fibrosis Decreases Systolic Performance Without Affecting Diastolic Function in Hypertensive Rats, 1067
Relationship of Physical Activity and Body Mass Index to the Risk of Hypertension: A Prospective Study in Finland, 25
Resistant Hypertension, Obesity, Sleep Apnea, and Aldosterone: Theory and Therapy, 518
Rho/Rho-Kinase Pathway in the Brainstem Contributes to Hypertension Caused by Chronic Nitric Oxide Synthase Inhibition, 156
Role for Thromboxane Receptors in Angiotensin-II-Induced Hypertension, 364
Role of Endothelin-1 in Blood Pressure Regulation in a Rat Model of Visceral Obesity and Hypertension, 383
Role of Hypothalamic Melanocortin 3/4-Receptors in Mediating Chronic Cardiovascular, Renal, and Metabolic Actions of Leptin, 1312
Salt Intake, Endothelial Cell Signaling, and Progression of Kidney Disease, 142
Sympathetic Responses to Stress and Rilmenidine in 2K1C Rabbits: Evidence of Enhanced Nonvascular Effector Mechanism, 636
Tooth Loss Is Associated With an Increased Risk of Hypertension in Postmenopausal Women, 1297

Hypertension, arterial
Blood Pressure Control and Physician Management of Hypertension in Hospital Hypertension Units in Spain, 1338

Hypertension, detection and control
Factors Associated With Hypertension Awareness, Treatment, and Control in a Representative Sample of the Chinese Population, 578
Hydrochlorothiazide Versus Chlorthalidone: Evidence Supporting Their Interchangeability, 4
Hypertension Treatment and Control in Five European Countries, Canada, and the United States, 10
Persistent Remodeling of Resistance Arteries in Type 2 Diabetic Patients on Antihypertensive Treatment, 399
Prevalence, Detection, Management, and Control of Hypertension in Ashanti, West Africa, 1017

Hypertension, essential
WNK4 Intron 10 Polymorphism Is Not Associated With Hypertension, 766
Broadly Altered Gene Expression in Blood Leukocytes in Essential Hypertension Is Absent During Treatment, 947
Determinants of Platelet Activation in Human Essential Hypertension, 64
Short Telomeres Are Associated With Increased Carotid Atherosclerosis in Hypertensive Subjects, 182
Sympathetic Augmentation in Hypertension: Role of Nerve Firing, Norepinephrine Reuptake, and Angiotensin Neuromodulation, 169
Urinary Potassium Excretion and Sodium Sensitivity in Blacks, 707

Hypertension, experimental
Endogenous Angiotensin and Pressure Modulate Brain Angiotensinogen and AT_{1A} mRNA Expression, 317
Long-Term Antioxidant Intervention Improves Myocardial Microvascular Function in Experimental Hypertension, 493
Pressure-Independent Effects of Angiotensin II on Hypertensive Myocardial Fibrosis, 499

Hypertension, genetic
Activating Mutation of the Renal Epithelial Chloride Channel ClC-Kb Predisposing to Hypertension, 1175
Ganglionic Action of Angiotensin Contributes to Sympathetic Activity in Renin-Angiotensinogen Transgenic Mice, 312
Geneticism of Essential Hypertension, 1155
Heritability of Leukoaraiosis in Hypertensive Sibships, 483
Hypersensitivity of the Adrenal Cortex to Trophic and Secretory Effects of Angiotensin II in Lyon Genetically-Hypertensive Rats, 87
Hypoadiponectinemia Is an Independent Risk Factor for Hypertension, 1318
Two Quantitative Trait Loci Affect ACE Activities in Mexican-Americans, 466
Hypertension, mineralocorticoid
PI3-Kinase Upregulation and Involvement in Spontaneous Tone in Arteries From DOCA-Salt Rats: Is p110δ the Culprit? 885
Hypertension, obesity
Enhanced Vascular Activity of Endogenous Endothelin-1 in Obese Hypertensive Patients, 36
Hypertension, pregnancy
Decreased Endothelium-Dependent NO-cGMP Vascular Relaxation and Hypertension in Growth-Restricted Rats on a High-Salt Diet, 420
Implication of an AGT Haplotype in a Multigene Association Study With Pregnancy Hypertension, 71
L-Arginine Attenuates Hypertension in Pregnant Rats With Reduced Uterine Perfusion Pressure, 832
Hypertension, sodium-dependent
Low $[Mg^{2+}]_e$ Enhances Arterial Spontaneous Tone via Phosphatidylinositol 3-Kinase in DOCA-Salt Hypertension, 125
Renal Oxidative Stress in Medullary Thick Ascending Limbs Produced by Elevated NaCl and Glucose, 341
Hypertrophy
Acromegalic Patients Show the Presence of Hypertrophic Remodeling of Subcutaneous Small Resistance Arteries, 561
Adverse Prognostic Significance of New Diabetes in Treated Hypertensive Subjects, 963
Angiotensin II and Cell Cycle Regulation, 693
Attenuation of Lysophosphatidylcholine-Induced Suppression of ANP Release From Hypertrophied Atria, 243
Combined Echocardiographic Left Ventricular Hypertrophy and Electrocardiographic ST Depression Improve Prediction of Mortality in American Indians: The Strong Heart Study, 769
Differences in Left Ventricular Structure Between Black and White Hypertensive Adults: The Hypertension Genetic Epidemiology Network Study, 1182
Different Growth Factor Activation in the Right and Left Ventricles in Experimental Volume Overload, 101
Effects of Indapamide, a Thiazide-Like Diuretic, on Structure of Cerebral Arterioles in Hypertensive Rats, 1092
Hypersensitivity of the Adrenal Cortex to Trophic and Secretory Effects of Angiotensin II in Lyon Genetically-Hypertensive Rats, 87
Left Ventricle Mass Index and the Common, Functional, X-Linked Angiotensin II Type-2 Receptor Gene Polymorphism (−1332 G/A) in Patients With Systemic Hypertension, 1189
Obesity and Hypertension-Induced Restrictive Cardiomyopathy: A Harbinger of Things to Come, 911
Prevention of Cardiac Hypertrophy by Angiotensin II Type-2 Receptor Gene Transfer, 1233
QRS Duration and QT Interval Predict Mortality in Hypertensive Patients With Left Ventricular Hypertrophy: The Losartan Intervention for Endpoint Reduction in Hypertension Study, 1029
Raloxifene Prevents Cardiac Hypertrophy and Dysfunction in Pressure-Overloaded Mice, 237
Relation Between Socioeconomic Status, Race-Ethnicity, and Left Ventricular Mass: The Northern Manhattan Study, 775
Relations of Serum Aldosterone to Cardiac Structure: Gender-Related Differences in the Framingham Heart Study, 957
Role for Thromboxane Receptors in Angiotensin-II-Induced Hypertension, 364
Role of Osteopontin in Cardiac Fibrosis and Remodeling in Angiotensin II-Induced Cardiac Hypertrophy, 1195
Simvastatin Prevents Load-Induced Protein Tyrosine Nitration in Overloaded Hearts, 1060
Hypotension
Evidence for a Gene on Chromosome 13 Influencing Postural Systolic Blood Pressure Change and Body Mass Index, 780
2-Hydroxyoleic Acid: A New Hypotensive Molecule, 249
Hypothalamus
Decrease in Hypothalamic Gamma Adducin in Rat Models of Hypertension, 324

I

Imaging
Long-Term Antioxidant Intervention Improves Myocardial Microvascular Function in Experimental Hypertension, 493
Nitric Oxide Mediates Benefits of Angiotensin II Type 2 Receptor Overexpression During Post-Infarct Remodeling, 680
Pulse Pressure Is an Independent Predictor for the Progression of Aortic Wall Calcification in Patients With Controlled Hyperlipidemia, 536
Immunohistochemistry
Ghrelin Acts at the Nucleus of the Solitary Tract to Decrease Arterial Pressure in Rats, 977
Inflammation
Calcium Channel Blocker Azelnidipine Enhances Vascular Protective Effects of AT_1 Receptor Blocker Olmesartan, 263
Peroxisome Proliferator-Activated Receptor γ: Implications for Cardiovascular Disease, 297
Pressure-Independent Effects of Angiotensin II on Hypertensive Myocardial Fibrosis, 499
Inositol
Endothelium-Derived Nitric Oxide Modulates Vascular Action of Aldosterone in Renal Arteriole, 352
Insulin
Angiotensin II Type-1 Receptor Blocker Valsartan Enhances Insulin Sensitivity in Skeletal Muscles of Diabetic Mice, 1003
20-HETE and Circulating Insulin in Essential Hypertension With Obesity, 388
Insulin Resistance and Hypertension: The Insulin Resistance Atherosclerosis Study, 1324
Role of Hypothalamic Melanocortin 3/4-Receptors in Mediating Chronic Cardiovascular, Renal, and Metabolic Actions of Leptin, 1312
Insulin growth factor
Different Growth Factor Activation in the Right and Left Ventricles in Experimental Volume Overload, 101
Insulin resistance
Androgens Are Necessary for the Development of Fructose-Induced Hypertension, 667
Evidence for a Causal Role of the Renin-Angiotensin System in Vascular Dysfunction Associated With Insulin Resistance, 255
20-HETE and Circulating Insulin in Essential Hypertension With Obesity, 388
Hypertension and Insulin Resistance Are Not Directly Related in Obese Dogs, 1011
Identification of Telmisartan as a Unique Angiotensin II Receptor Antagonist With Selective PPARγ-Modulating Activity, 993
Insulin Resistance and Alterations in Angiogenesis: Additive Insults That May Lead to Preeclampsia, 988
Insulin Resistance and Hypertension: The Insulin Resistance Atherosclerosis Study, 1324
Manifestations of Metabolic Syndrome After Hypertensive Pregnancy, 825
Rosiglitazone Restores G-Protein Coupling, Recruitment, and Function of Renal Dopamine D_{1A} Receptor in Obese Zucker Rats, 376
Integrins
Modulation of the Inflammatory Response in Cardiovascular Disease, 924
Interleukins
Isolation and Culture of Arterial Smooth Muscle Cells From Human Placenta, 837
Ion transport
Activating Mutation of the Renal Epithelial Chloride Channel ClC-Kb Predisposing to Hypertension, 1175

Ions
Nitric Oxide Donor Sodium Nitroprusside Dilates Rat Small Arteries by Activation of Inward Rectifier Potassium Channels, 891
Ischemia
Adrenomedullin Protects Against Myocardial Apoptosis After Ischemia/Reperfusion Through Activation of Akt-GSK Signaling, 109
Heritability of Leukoaraiosis in Hypertensive Sibships, 483
In Vivo Evaluation of Retinal Injury After Transient Ischemia in Hypertensive Rats, 1098
Kallikrein Gene Transfer Protects Against Ischemic Stroke by Promoting Glial Cell Migration and Inhibiting Apoptosis, 452
Protection From Ischemic Heart Injury by a Vigilant Heme Oxygenase-1 Plasmid System, 746

J

Juxtaglomerular apparatus
Angiotensin II Stimulates Calcium and Nitric Oxide Release From Macula Densa Cells Through AT_1 Receptors, 649

K

Kidney
Aberrant D_1 and D_3 Dopamine Receptor Transregulation in Hypertension, 654
Activating Mutation of the Renal Epithelial Chloride Channel ClC-Kb Predisposing to Hypertension, 1175
Aldosterone Antagonism Attenuates Obesity-Induced Hypertension and Glomerular Hyperfiltration, 41
Arterial Stiffness and Kidney Function, 163
AT_1 Receptor Mediated Augmentation of Intrarenal Angiotensinogen in Angiotensin II-Dependent Hypertension, 1126
C-Reactive Protein Modifies the Relationship Between Blood Pressure and Microalbuminuria, 791
Cyclooxygenases, the Kidney, and Hypertension, 525
Dietary NaCl Regulates Renal Aminopeptidase N: Relevance to Hypertension in the Dahl Rat, 282
Effects of COX Inhibition on Blood Pressure and Kidney Function in ACE Inhibitor-Treated Blacks and Hispanics, 573
Modifier Locus on Mouse Chromosome 3 for Renal Vascular Pathology in AT_{1A} Receptor-Deficiency, 445
Nitric Oxide Synthesis Inhibition Promotes Renal Production of Carbon Monoxide, 347
Obesity and Hypertension-Induced Restrictive Cardiomyopathy: A Harbinger of Things to Come, 911
Pioglitazone Prevents Hypertension and Reduces Oxidative Stress in Diet-Induced Obesity, 48
Possible Contributions of Reactive Oxygen Species and Mitogen-Activated Protein Kinase to Renal Injury in Aldosterone/Salt-Induced Hypertensive Rats, 841
Prolyl Oligopeptidase Is Involved in Release of the Antifibrotic Peptide Ac-SDKP, 1140
Reduced Uteroplacental Blood Flow Alters Renal Arterial Reactivity and Glomerular Properties in the Rat Offspring, 1283
Role of Endothelin-1 in Blood Pressure Regulation in a Rat Model of Visceral Obesity and Hypertension, 383
Role of Pressure in Angiotensin II-Induced Renal Injury: Chronic Servo-Control of Renal Perfusion Pressure in Rats, 752
Rosiglitazone Restores G-Protein Coupling, Recruitment, and Function of Renal Dopamine D_{1A} Receptor in Obese Zucker Rats, 376
Urinary Potassium Excretion and Sodium Sensitivity in Blacks, 707
Kinase
Low $[Mg^{2+}]_e$ Enhances Arterial Spontaneous Tone via Phosphatidylinositol 3-Kinase in DOCA-Salt Hypertension, 125
Sgk1 Mediates Osmotic Induction of NPR-A Gene in Rat Inner Medullary Collecting Duct Cells, 866
WNK4 Intron 10 Polymorphism Is Not Associated With Hypertension, 766
Kinins
Kallikrein Gene Transfer Protects Against Ischemic Stroke by Promoting Glial Cell Migration and Inhibiting Apoptosis, 452

L

L-NAME
Nitric Oxide May Prevent Hypertension Early in Diabetes by Counteracting Renal Actions of Superoxide, 57
Letters to the Editor
Aldosterone Antagonism and Arterial Stiffness. Letter to the editor, 341. Response to letter, e3
Antioxidant Activities and Oxidative Stress Byproducts in Human Hypertension. Letter to the editor, e7. Response to letter, e7
Aspirin, Chance, and Results in Relation to Blood Pressure. Letter to the editor, e22. Response to letter, e22
Assessing the Sensitivity of Spontaneous Baroreflex Control of the Heart: Deeper Insight Into Complex Physiology. Letter to the editor, e32. Response to letter, e34
The Cardiorenal Connection. Letter to the editor, e14
Does Hypomagnesemia Have an Adaptive Role in Hypertension? Letter to the editor, e29 Response to letter, e29
Effects of Heart Rate Changes on Arterial Distensibility in Humans: Letter to the editor, e10. Response to letter, e10
Gold Standard in Assessing Baroreceptor Function. Letter to the editor, e24. Response to letter, e24
High Blood Pressure in Acute Stroke and Subsequent Outcome: A Systematic Review. Letters to the Editor, e36
Insulin, Leptin, and Membrane Microviscosity in Blood Pressure Regulation. Letter to the editor, e15. Response to letter, e15
Is Low-Heat Shock Protein 70 a Primary or a Secondary Event in the Development of Atherosclerosis? Letter to the editor, e18. Response to letter, e18
The JNC-7 Guidelines and the Optimal Target for Systolic Blood Pressure. Letter to the editor, e31. Response to letter, e31
Mortality From Stroke and Ischemic Heart Disease Increases Exponentially With Blood Pressure. Letter to the editor, e28. Response to letter, e28
Orthostatic Hypotension in the Seventh Report of the Joint National Committee on Prevention, Detection, Evaluation, and Treatment of High Blood Pressure: Which Version is Right? Letter to the editor, e27. Response to letter, e27
Plasma Adiponectin Concentrations in Women With Preeclampsia. Letter to the editor, e17. Response to letter, e17
Rapid Nongenomic Aldosterone Effects in the Human Forearm? Letter to the editor, e1. Response to letter, e2
Rapid Nongenomic Effect of Aldosterone on Vasoconstriction. Letter to the editor, e30
Rapid Nongenomic Effects of Aldosterone on Human Forearm Vasculature. Response to letter, e30
Stress Imaging in Renal Transplant Candidates. Letter to the editor, e20. Response to letter, e20
Terminology for Describing the Elastic Behavior of Arteries. Letter to the editor, e25. Response to letter, e25
The Timing of the Blood Pressure Measurement May Affect the Result in Patients With Acute Stroke. Letter to the editor, e36
Universal Salt Reduction. Letter to the editor, e12. Response to letter, e12
Vitamin C in Heart Failure: Hype or Hope? Letter to the editor, e5
Vitamin C in Heart Failure: Hope! Response to letter, e5
Leukocytes
Broadly Altered Gene Expression in Blood Leukocytes in Essential Hypertension Is Absent During Treatment, 947
ET_A Receptor Mediates Altered Leukocyte-Endothelial Cell Interaction and Adhesion Molecules Expression in DOCA-Salt Rats, 872
In Vivo Evaluation of Retinal Injury After Transient Ischemia in Hypertensive Rats, 1098
Lipids
Effect of Dietary Sodium Intake on Blood Lipids: Results From the DASH-Sodium Trial, 393
Neuroendocrine Transcriptome in Genetic Hypertension: Multiple Changes in Diverse Adrenal Physiological Systems, 1301
Lipoxygenase
Apamin-Sensitive K^+ Currents Mediate Arachidonic Acid-Induced Relaxations of Rabbit Aorta, 413
Losartan
Ganglionic Action of Angiotensin Contributes to Sympathetic Activity in Renin-Angiotensinogen Transgenic Mice, 312
Identification of Telmisartan as a Unique Angiotensin II Receptor Antagonist With Selective PPARγ-Modulating Activity, 993

M

Macrophages
Ac-SDKP Reverses Inflammation and Fibrosis in Rats With Heart Failure After Myocardial Infarction, 229
Hypertensive Myocardial Fibrosis and Diastolic Dysfunction: Another Model of Inflammation? 739
Pressure-Independent Effects of Angiotensin II on Hypertensive Myocardial Fibrosis, 499

Magnesium
Low $[Mg^{2+}]_e$ Enhances Arterial Spontaneous Tone via Phosphatidylinositol 3-Kinase in DOCA-Salt Hypertension, 125

Magnetic resonance imaging
Left Ventricle Mass Index and the Common, Functional, X-Linked Angiotensin II Type-2 Receptor Gene Polymorphism (−1332 G/A) in Patients With Systemic Hypertension, 1189
Nitric Oxide Mediates Benefits of Angiotensin II Type 2 Receptor Overexpression During Post-Infarct Remodeling, 680

Membranes
Apamin-Sensitive K^+ Currents Mediate Arachidonic Acid-Induced Relaxations of Rabbit Aorta, 413
Role of Membrane Potential and Expression of Endothelial Factors in Restenosis After Angioplasty in SHR, 131

Memoriam
In Memoriam: Richard D. Bukoski, PhD (1954-2004), 1153

Men
Blood Pressure Response to Caffeine Shows Incomplete Tolerance After Short-Term Regular Consumption, 760
Hypoadiponectinemia Is an Independent Risk Factor for Hypertension, 1318

Mesenteric arteries
Reduced NOS3 Phosphorylation Mediates Reduced NO/cGMP Signaling in Mesenteric Arteries of Deoxycorticosterone Acetate-Salt Hypertensive Rats, 1080

Meta-analysis
Overlap Between Whites and Blacks in Response to Antihypertensive Drugs, 566

Metabolism
Association Between Blood Pressure and Resting Energy Expenditure Independent of Body Size, 555
Neuroendocrine Transcriptome in Genetic Hypertension: Multiple Changes in Diverse Adrenal Physiological Systems, 1301

Mice
Cardiovascular and Renal Phenotype in Mice With One or Two Renin Genes, 79
Depletion of Tissue Angiotensin-Converting Enzyme Differentially Influences the Intrarenal and Urinary Expression of Angiotensin Peptides, 849
Effect of Reduced Angiotensin-Converting Enzyme Gene Expression and Angiotensin-Converting Enzyme Inhibition on Angiotensin and Bradykinin Peptide Levels in Mice, 854
Ganglionic Action of Angiotensin Contributes to Sympathetic Activity in Renin-Angiotensinogen Transgenic Mice, 312
Increased ACE 2 and Decreased ACE Protein in Renal Tubules From Diabetic Mice: A Renoprotective Combination? 1120

Microparticles
Role of Platelet Microparticles in the Production of Thromboxane by Rabbit Pulmonary Artery, 428

Mineralocorticoids
Human Endothelium: Target for Aldosterone, 952
Impaired 11-β Hydroxysteroid Dehydrogenase Type 2 Activity in Sweat Gland Ducts in Human Essential Hypertension, 803
Possible Contributions of Reactive Oxygen Species and Mitogen-Activated Protein Kinase to Renal Injury in Aldosterone/Salt-Induced Hypertensive Rats, 841
Role of Osteopontin in Cardiac Fibrosis and Remodeling in Angiotensin II-Induced Cardiac Hypertrophy, 1195

Models, statistical
Hypertension Treatment and Control in Five European Countries, Canada, and the United States, 10

Morbidity
High Blood Pressure in Acute Stroke and Subsequent Outcome: A Systematic Review, 18

Mortality
Combined Echocardiographic Left Ventricular Hypertrophy and Electrocardiographic ST Depression Improve Prediction of Mortality in American Indians: The Strong Heart Study, 769
High Blood Pressure in Acute Stroke and Subsequent Outcome: A Systematic Review, 18
QRS Duration and QT Interval Predict Mortality in Hypertensive Patients With Left Ventricular Hypertrophy: The Losartan Intervention for Endpoint Reduction in Hypertension Study, 1029

Muscle, vascular, smooth
Age-Related Reduction in Estrogen Receptor-Mediated Mechanisms of Vascular Relaxation in Female Spontaneously Hypertensive Rats, 405
Decreased Endothelium-Dependent NO-cGMP Vascular Relaxation and Hypertension in Growth-Restricted Rats on a High-Salt Diet, 420
Role of Membrane Potential and Expression of Endothelial Factors in Restenosis After Angioplasty in SHR, 131

Mutation
Hypoadiponectinemia Is an Independent Risk Factor for Hypertension, 1318

Myocardial contraction
Nitric Oxide and Cardiac Muscarinic Control in Humans, 1023

Myocardial infarction
Ac-SDKP Reverses Inflammation and Fibrosis in Rats With Heart Failure After Myocardial Infarction, 229
Nitric Oxide Mediates Benefits of Angiotensin II Type 2 Receptor Overexpression During Post-Infarct Remodeling, 680
Upregulation of Angiotensin-Converting Enzyme 2 After Myocardial Infarction by Blockade of Angiotensin II Receptors, 970

Myocardium
Endogenous Diadenosine Tetraphosphate, Diadenosine Pentaphosphate, and Diadenosine Hexaphosphate in Human Myocardial Tissue, 1055

Myocytes
Adrenomedullin Protects Against Myocardial Apoptosis After Ischemia/Reperfusion Through Activation of Akt-GSK Signaling, 109

N

Na^+, K^+-transporting ATPase
Elevated BSC-1 and ROMK Expression in Dahl Salt-Sensitive Rat Kidneys, 860
Renal Oxidative Stress in Medullary Thick Ascending Limbs Produced by Elevated NaCl and Glucose, 341

Natriuresis
Renal Interstitial Guanosine Cyclic 3′, 5′-Monophosphate Mediates Pressure-Natriuresis Via Protein Kinase G, 1133

Natriuretic peptides
Amino-Terminal Pro-C-Type Natriuretic Peptide in Heart Failure, 94
Attenuation of Lysophosphatidylcholine-Induced Suppression of ANP Release From Hypertrophied Atria, 243
Characterization of a cGMP-Response Element in the Guanylyl Cyclase/Natriuretic Peptide Receptor A Gene Promoter, 1270
Forced Homodimerization by Site-Directed Mutagenesis Alters Guanylyl Cyclase Activity of Natriuretic Peptide Receptor B, 460
Sphingosine-1-Phosphate Inhibits C-Type Natriuretic Peptide Activation of Guanylyl Cyclase B (GC-B/NPR-B), 1103

Nephrectomy
Reduced Uteroplacental Blood Flow Alters Renal Arterial Reactivity and Glomerular Properties in the Rat Offspring, 1283

Neutrophils
C242T *CYBA* Polymorphism of the NADPH Oxidase Is Associated With Reduced Respiratory Burst in Human Neutrophils, 1246

Nitric oxide
Angiotensin II Stimulates Calcium and Nitric Oxide Release From Macula Densa Cells Through AT_1 Receptors, 649
Cardiovascular and Renal Phenotype in Mice With One or Two Renin Genes, 79
Decreased Endothelium-Dependent NO-cGMP Vascular Relaxation and Hypertension in Growth-Restricted Rats on a High-Salt Diet, 420
Endothelium-Derived Nitric Oxide Modulates Vascular Action of Aldosterone in Renal Arteriole, 352

L-Arginine Attenuates Hypertension in Pregnant Rats With Reduced Uterine Perfusion Pressure, 832
Mediators of Bradykinin-Induced Vasorelaxation in Human Coronary Microarteries, 488
Nitric Oxide and Cardiac Muscarinic Control in Humans, 1023
Nitric Oxide Donor Sodium Nitroprusside Dilates Rat Small Arteries by Activation of Inward Rectifier Potassium Channels, 891
Nitric Oxide May Prevent Hypertension Early in Diabetes by Counteracting Renal Actions of Superoxide, 57
Nitric Oxide Mediates Benefits of Angiotensin II Type 2 Receptor Overexpression During Post-Infarct Remodeling, 680
Nitric Oxide Synthesis Inhibition Promotes Renal Production of Carbon Monoxide, 347
Pioglitazone Prevents Hypertension and Reduces Oxidative Stress in Diet-Induced Obesity, 48
PPARγ Agonist Rosiglitazone Improves Vascular Function and Lowers Blood Pressure in Hypertensive Transgenic Mice, 661
Production and Role of Extracellular Guanosine Cyclic 3′, 5′ Monophosphate in Sodium Uptake in Human Proximal Tubule Cells, 286
Reduced Endothelial NO-cGMP-Mediated Vascular Relaxation and Hypertension in IL-6-Infused Pregnant Rats, 434
Relationship Between Carbamoyl-Phosphate Synthetase Genotype and Systemic Vascular Function, 186
Rho/Rho-Kinase Pathway in the Brainstem Contributes to Hypertension Caused by Chronic Nitric Oxide Synthase Inhibition, 156
Role of Endothelium-Derived Hyperpolarizing Factor in ACE Inhibitor-Induced Renal Vasodilation in Vivo, 603
Salt Intake, Endothelial Cell Signaling, and Progression of Kidney Disease, 142
Statins Augment Collateral Growth in Response to Ischemia but They Do Not Promote Cancer and Atherosclerosis, 1214
Stimulation of Cyclic GMP Production via AT_2 and B_2 Receptors in the Pressure-Overloaded Aorta After Banding, 1258
Transmission of Arterial Baroreflex Signals Depends on Neuronal Nitric Oxide Synthase, 820

Nitric oxide synthase

Cardiovascular and Renal Phenotype in Mice With One or Two Renin Genes, 79
Fas Signaling Induces Akt Activation and Upregulation of Endothelial Nitric Oxide Synthase Expression, 880
L-Arginine Depletion in Preeclampsia Orients Nitric Oxide Synthase Toward Oxidant Species, 614
Reduced NOS3 Phosphorylation Mediates Reduced NO/cGMP Signaling in Mesenteric Arteries of Deoxycorticosterone Acetate-Salt Hypertensive Rats, 1080
Transmission of Arterial Baroreflex Signals Depends on Neuronal Nitric Oxide Synthase, 820

Nitrites

L-Arginine Depletion in Preeclampsia Orients Nitric Oxide Synthase Toward Oxidant Species, 614

Norepinephrine

Cardiac Uptake-1 Inhibition by High Circulating Norepinephrine Levels in Patients with Pheochromocytoma, 1227
Diagnosis and Localization of Pheochromocytoma, 907
Sympathetic Augmentation in Hypertension: Role of Nerve Firing, Norepinephrine Reuptake, and Angiotensin Neuromodulation, 169

Normotension

Aberrant D_1 and D_3 Dopamine Receptor Transregulation in Hypertension, 654
Heterogeneity of Cardiorenal Characteristics in Normotensive Subjects, 219

O

Obesity

Aldosterone Antagonism Attenuates Obesity-Induced Hypertension and Glomerular Hyperfiltration, 41
Association Between Blood Pressure and Resting Energy Expenditure Independent of Body Size, 555
Cardiovascular Risk Factors and Sequelae in Hypertensive Children Identified by Referral Versus School-Based Screening, 214
Epoxy-Keto Derivative of Linoleic Acid Stimulates Aldosterone Secretion, 358
20-HETE and Circulating Insulin in Essential Hypertension With Obesity, 388
Hypertension and Insulin Resistance Are Not Directly Related in Obese Dogs, 1011
Increased ACE 2 and Decreased ACE Protein in Renal Tubules From Diabetic Mice: A Renoprotective Combination? 1120
Novel Mechanisms Responsible for Postmenopausal Hypertension, 918
Relationship of Physical Activity and Body Mass Index to the Risk of Hypertension: A Prospective Study in Finland, 25
Resistant Hypertension, Obesity, Sleep Apnea, and Aldosterone: Theory and Therapy, 518
Role of Adrenergic Activity in Pressor Responses to Chronic Melanocortin Receptor Activation, 370
Role of Endothelin-1 in Blood Pressure Regulation in a Rat Model of Visceral Obesity and Hypertension, 383
Role of Hypothalamic Melanocortin 3/4-Receptors in Mediating Chronic Cardiovascular, Renal, and Metabolic Actions of Leptin, 1312
Rosiglitazone Restores G-Protein Coupling, Recruitment, and Function of Renal Dopamine D_{1A} Receptor in Obese Zucker Rats, 376

Oxidative stress

AT1 Receptor Blocker Added to ACE Inhibitor Provides Benefits at Advanced Stage of Hypertensive Diastolic Heart Failure, 686
C242T *CYBA* Polymorphism of the NADPH Oxidase Is Associated With Reduced Respiratory Burst in Human Neutrophils, 1246
Calcium Channel Blocker Azelnidipine Enhances Vascular Protective Effects of AT_1 Receptor Blocker Olmesartan, 263
Determinants of Platelet Activation in Human Essential Hypertension, 64
Epoxy-Keto Derivative of Linoleic Acid Stimulates Aldosterone Secretion, 358
Heme Oxygenase-1 Gene Expression Modulates Angiotensin II-Induced Increase in Blood Pressure, 1221
Homocysteine Enhances Endothelial Apoptosis via Upregulation of Fas-Mediated Pathways, 1208
In Vivo Evaluation of Retinal Injury After Transient Ischemia in Hypertensive Rats, 1098
Increased $O_2^{\cdot-}$ Production and Upregulation of ET_B Receptors by Sympathetic Neurons in DOCA-Salt Hypertensive Rats, 1048
L-Arginine Depletion in Preeclampsia Orients Nitric Oxide Synthase Toward Oxidant Species, 614
Long-Term Antioxidant Intervention Improves Myocardial Microvascular Function in Experimental Hypertension, 493
Modulation of the Inflammatory Response in Cardiovascular Disease, 924
Neuroendocrine Transcriptome in Genetic Hypertension: Multiple Changes in Diverse Adrenal Physiological Systems, 1301
Novel Mechanisms Responsible for Postmenopausal Hypertension, 918
Pioglitazone Prevents Hypertension and Reduces Oxidative Stress in Diet-Induced Obesity, 48
Renal Oxidative Stress in Medullary Thick Ascending Limbs Produced by Elevated NaCl and Glucose, 341
ROS During the Acute Phase of Ang II Hypertension Participates in Cardiovascular MAPK Activation But Not Vasoconstriction, 117
Simvastatin Prevents Load-Induced Protein Tyrosine Nitration in Overloaded Hearts, 1060

P

Pheochromocytoma

Cardiac Uptake-1 Inhibition by High Circulating Norepinephrine Levels in Patients with Pheochromocytoma, 1227
Diagnosis and Localization of Pheochromocytoma, 907

Phospholipases

Endothelium-Derived Nitric Oxide Modulates Vascular Action of Aldosterone in Renal Arteriole, 352

Phosphorylation

Low $[Mg^{2+}]_e$ Enhances Arterial Spontaneous Tone via Phosphatidylinositol 3-Kinase in DOCA-Salt Hypertension, 125
Reduced NOS3 Phosphorylation Mediates Reduced NO/cGMP Signaling in Mesenteric Arteries of Deoxycorticosterone Acetate-Salt Hypertensive Rats, 1080

ROS During the Acute Phase of Ang II Hypertension Participates in Cardiovascular MAPK Activation But Not Vasoconstriction, 117

Platelets
Determinants of Platelet Activation in Human Essential Hypertension, 64
Role of Platelet Microparticles in the Production of Thromboxane by Rabbit Pulmonary Artery, 428

Polymorphism
C242T *CYBA* Polymorphism of the NADPH Oxidase Is Associated With Reduced Respiratory Burst in Human Neutrophils, 1246
Combination of Renin-Angiotensin System Polymorphisms Is Associated With Altered Renal Sodium Handling and Hypertension, 598
Geneticism of Essential Hypertension, 1155
Implication of an AGT Haplotype in a Multigene Association Study With Pregnancy Hypertension, 71
WNK4 Intron 10 Polymorphism Is Not Associated With Hypertension, 766

Population
Blood Pressure Differences Between Northern and Southern Chinese: Role of Dietary Factors: The International Study on Macronutrients and Blood Pressure, 1332
Factors Associated With Hypertension Awareness, Treatment, and Control in a Representative Sample of the Chinese Population, 578
Familial and Genomic Analyses of Postural Changes in Systolic and Diastolic Blood Pressure, 586
Implication of an AGT Haplotype in a Multigene Association Study With Pregnancy Hypertension, 71
Prevalence, Detection, Management, and Control of Hypertension in Ashanti, West Africa, 1017

Posture
Evidence for a Gene on Chromosome 13 Influencing Postural Systolic Blood Pressure Change and Body Mass Index, 780

Potassium
Aldosterone Antagonism Attenuates Obesity-Induced Hypertension and Glomerular Hyperfiltration, 41
Urinary Potassium Excretion and Sodium Sensitivity in Blacks, 707

Potassium channels
Apamin-Sensitive K^+ Currents Mediate Arachidonic Acid-Induced Relaxations of Rabbit Aorta, 413
Nitric Oxide Donor Sodium Nitroprusside Dilates Rat Small Arteries by Activation of Inward Rectifier Potassium Channels, 891

Preeclampsia
Cytochrome P-450 Inhibition Attenuates Hypertension Induced by Reductions in Uterine Perfusion Pressure in Pregnant Rats, 623
Homocysteine and Folic Acid Are Inversely Related in Black Women With Preeclampsia, 1279
Implication of an AGT Haplotype in a Multigene Association Study With Pregnancy Hypertension, 71
Insulin Resistance and Alterations in Angiogenesis: Additive Insults That May Lead to Preeclampsia, 988
L-Arginine Attenuates Hypertension in Pregnant Rats With Reduced Uterine Perfusion Pressure, 832
L-Arginine Depletion in Preeclampsia Orients Nitric Oxide Synthase Toward Oxidant Species, 614
Manifestations of Metabolic Syndrome After Hypertensive Pregnancy, 825

Pregnancy
Insulin Resistance and Alterations in Angiogenesis: Additive Insults That May Lead to Preeclampsia, 988
Manifestations of Metabolic Syndrome After Hypertensive Pregnancy, 825
Reduced Endothelial NO-cGMP-Mediated Vascular Relaxation and Hypertension in IL-6-Infused Pregnant Rats, 434
Reduced Uteroplacental Blood Flow Alters Renal Arterial Reactivity and Glomerular Properties in the Rat Offspring, 1283

Prostaglandins
Cyclooxygenase Involvement in Thromboxane-Dependent Contraction in Rat Mesenteric Resistance Arteries, 1264

Protein kinases
Endothelin-1 Promotes Ca^{2+} Antagonist-Insensitive Coronary Smooth Muscle Contraction Via Activation of ϵ-Protein Kinase C, 897
Endothelium-Derived Nitric Oxide Modulates Vascular Action of Aldosterone in Renal Arteriole, 352
Homocysteine Enhances Endothelial Apoptosis via Upregulation of Fas-Mediated Pathways, 1208
p38 Mitogen-Activated Protein Kinase Contributes to the Diminished Aortic Contraction by Endothelin-1 in DOCA-Salt Hypertensive Rats, 1086
Renal Interstitial Guanosine Cyclic 3′, 5′-Monophosphate Mediates Pressure-Natriuresis Via Protein Kinase G, 1133
ROS During the Acute Phase of Ang II Hypertension Participates in Cardiovascular MAPK Activation But Not Vasoconstriction, 117

Proteinuria
Role for Thromboxane Receptors in Angiotensin-II-Induced Hypertension, 364

Pulse
Major Quantitative Trait Locus for Resting Heart Rate Maps to a Region on Chromosome 4, 1146
Pulse Pressure Is an Independent Predictor for the Progression of Aortic Wall Calcification in Patients With Controlled Hyperlipidemia, 536

R

Rabbits
Sympathetic Responses to Stress and Rilmenidine in 2K1C Rabbits: Evidence of Enhanced Nonvascular Effector Mechanism, 636

Race
Determinants of Blood Pressure Response to Quinapril in Black and White Hypertensive Patients: The Quinapril Titration Interval Management Evaluation Trial, 1202
Homocysteine and Folic Acid Are Inversely Related in Black Women With Preeclampsia, 1279
Overlap Between Whites and Blacks in Response to Antihypertensive Drugs, 566
Relation Between Socioeconomic Status, Race-Ethnicity, and Left Ventricular Mass: The Northern Manhattan Study, 775

Radiography
Cardiac Uptake-1 Inhibition by High Circulating Norepinephrine Levels in Patients with Pheochromocytoma, 1227

Rats
Aberrant D_1 and D_3 Dopamine Receptor Transregulation in Hypertension, 654
Ac-SDKP Reverses Inflammation and Fibrosis in Rats With Heart Failure After Myocardial Infarction, 229
AT_1 Receptor Mediated Augmentation of Intrarenal Angiotensinogen in Angiotensin II-Dependent Hypertension, 1126
Endogenous Angiotensin and Pressure Modulate Brain Angiotensinogen and AT_{1A} mRNA Expression, 317
Ghrelin Acts at the Nucleus of the Solitary Tract to Decrease Arterial Pressure in Rats, 977
Hypersensitivity of the Adrenal Cortex to Trophic and Secretory Effects of Angiotensin II in Lyon Genetically-Hypertensive Rats, 87
Possible Contributions of Reactive Oxygen Species and Mitogen-Activated Protein Kinase to Renal Injury in Aldosterone/Salt-Induced Hypertensive Rats, 841
Reduced Uteroplacental Blood Flow Alters Renal Arterial Reactivity and Glomerular Properties in the Rat Offspring, 1283
ROS During the Acute Phase of Ang II Hypertension Participates in Cardiovascular MAPK Activation But Not Vasoconstriction, 117
Transmission of Arterial Baroreflex Signals Depends on Neuronal Nitric Oxide Synthase, 820

Rats, Dahl
Dietary NaCl Regulates Renal Aminopeptidase N: Relevance to Hypertension in the Dahl Rat, 282
Elevated BSC-1 and ROMK Expression in Dahl Salt-Sensitive Rat Kidneys, 860
Modulation of Learning and Memory in Dahl Rats by Dietary Salt Restriction, 797

Rats, inbred SHR
In Vivo Evaluation of Retinal Injury After Transient Ischemia in Hypertensive Rats, 1098

Rats, spontaneously hypertensive
Reduction of Cardiac Fibrosis Decreases Systolic Performance Without Affecting Diastolic Function in Hypertensive Rats, 1067
Role of Membrane Potential and Expression of Endothelial Factors in Restenosis After Angioplasty in SHR, 131

Rats, stroke-prone SHR
Eplerenone Prevents Salt-Induced Vascular Remodeling and Cardiac Fibrosis in Stroke-Prone Spontaneously Hypertensive Rats, 1252
Rats, transgenic
Alterations in Sympathetic Ganglionic Transmission in Response to Angiotensin II in (mRen2)27 Transgenic Rats, 270
Receptors
Aberrant D_1 and D_3 Dopamine Receptor Transregulation in Hypertension, 654
Alterations in Sympathetic Ganglionic Transmission in Response to Angiotensin II in (mRen2)27 Transgenic Rats, 270
Dopamine D_1 Receptor Augmentation of D_3 Receptor Action in Rat Aortic or Mesenteric Vascular Smooth Muscles, 673
Functional Variant in the α_{2B} Adrenoceptor Gene, a Positional Candidate on Chromosome 2, Associates With Hypertension, 592
Modifier Locus on Mouse Chromosome 3 for Renal Vascular Pathology in AT_{1A} Receptor-Deficiency, 445
Nitric Oxide and Cardiac Muscarinic Control in Humans, 1023
Nitric Oxide Mediates Benefits of Angiotensin II Type 2 Receptor Overexpression During Post-Infarct Remodeling, 680
Peroxisome Proliferator-Activated Receptor γ: Implications for Cardiovascular Disease, 297
Sgk1 Mediates Osmotic Induction of NPR-A Gene in Rat Inner Medullary Collecting Duct Cells, 866
Sphingosine-1-Phosphate Inhibits C-Type Natriuretic Peptide Activation of Guanylyl Cyclase B (GC-B/NPR-B), 1103
Receptors, adrenergic, alpha
Alpha$_2$-Adrenergic Receptor-Induced Vascular Constriction in Blacks and Whites, 31
Receptors, adrenergic, beta
Reduced Uteroplacental Blood Flow Alters Renal Arterial Reactivity and Glomerular Properties in the Rat Offspring, 1283
Receptors, angiotensin
Endogenous Angiotensin and Pressure Modulate Brain Angiotensinogen and AT_{1A} mRNA Expression, 317
Left Ventricle Mass Index and the Common, Functional, X-Linked Angiotensin II Type-2 Receptor Gene Polymorphism (−1332 G/A) in Patients With Systemic Hypertension, 1189
Upregulation of Angiotensin-Converting Enzyme 2 After Myocardial Infarction by Blockade of Angiotensin II Receptors, 970
Receptors, angiotensin II
Angiotensin II-Induced Vascular Dysfunction Is Mediated by the AT_{1A} Receptor in Mice, 1074
AT_1 Receptor Mediated Augmentation of Intrarenal Angiotensinogen in Angiotensin II-Dependent Hypertension, 1126
Ganglionic Action of Angiotensin Contributes to Sympathetic Activity in Renin-Angiotensinogen Transgenic Mice, 312
Hypersensitivity of the Adrenal Cortex to Trophic and Secretory Effects of Angiotensin II in Lyon Genetically-Hypertensive Rats, 87
Identification of Telmisartan as a Unique Angiotensin II Receptor Antagonist With Selective PPARγ-Modulating Activity, 993
Prevention of Cardiac Hypertrophy by Angiotensin II Type-2 Receptor Gene Transfer, 1233
Stimulation of Cyclic GMP Production via AT_2 and B_2 Receptors in the Pressure-Overloaded Aorta After Banding, 1258
Receptors, atrial natriuretic factor
Characterization of a cGMP-Response Element in the Guanylyl Cyclase/Natriuretic Peptide Receptor A Gene Promoter, 1270
Receptors, endothelin
Increased O_2^- Production and Upregulation of ET_B Receptors by Sympathetic Neurons in DOCA-Salt Hypertensive Rats, 1048
Receptors, natriuretic peptides
Forced Homodimerization by Site-Directed Mutagenesis Alters Guanylyl Cyclase Activity of Natriuretic Peptide Receptor B, 460
Remodeling
Acromegalic Patients Show the Presence of Hypertrophic Remodeling of Subcutaneous Small Resistance Arteries, 561
Effects of Indapamide, a Thiazide-Like Diuretic, on Structure of Cerebral Arterioles in Hypertensive Rats, 1092
Eplerenone Prevents Salt-Induced Vascular Remodeling and Cardiac Fibrosis in Stroke-Prone Spontaneously Hypertensive Rats, 1252
Focal Adhesion Protein Zyxin Is a Mechanosensitive Modulator of Gene Expression in Vascular Smooth Muscle Cells, 726
Left Ventricular Concentric Geometry During Treatment Adversely Affects Cardiovascular Prognosis in Hypertensive Patients, 731
Nitric Oxide Mediates Benefits of Angiotensin II Type 2 Receptor Overexpression During Post-Infarct Remodeling, 680
Obesity and Hypertension-Induced Restrictive Cardiomyopathy: A Harbinger of Things to Come, 911
Persistent Remodeling of Resistance Arteries in Type 2 Diabetic Patients on Antihypertensive Treatment, 399
Role of Osteopontin in Cardiac Fibrosis and Remodeling in Angiotensin II-Induced Cardiac Hypertrophy, 1195
Renal artery
Reduced Uteroplacental Blood Flow Alters Renal Arterial Reactivity and Glomerular Properties in the Rat Offspring, 1283
Renal circulation
Assessment of Renal Functional Phenotype in Mice Lacking gp91^{PHOX} Subunit of NAD(P)H Oxidase, 335
Combination of Renin-Angiotensin System Polymorphisms Is Associated With Altered Renal Sodium Handling and Hypertension, 598
Heterogeneity of Cardiorenal Characteristics in Normotensive Subjects, 219
Renal disease
Causes and Consequences of Increased Sympathetic Activity in Renal Disease, 699
Role of Pressure in Angiotensin II-Induced Renal Injury: Chronic Servo-Control of Renal Perfusion Pressure in Rats, 752
Renal nerves
Sympathetic Responses to Stress and Rilmenidine in 2K1C Rabbits: Evidence of Enhanced Nonvascular Effector Mechanism, 636
Renin
Cardiovascular and Renal Phenotype in Mice With One or Two Renin Genes, 79
Cyclooxygenases, the Kidney, and Hypertension, 525
Integrating Drug Pharmacokinetics for Phenotyping Individual Renin Response to Angiotensin II Blockade in Humans, 785
Resistant Hypertension, Obesity, Sleep Apnea, and Aldosterone: Theory and Therapy, 518
Role of Endothelin-1 in Blood Pressure Regulation in a Rat Model of Visceral Obesity and Hypertension, 383
Renin-angiotensin system
Adjacent Expression of Renin and Angiotensinogen in the Rostral Ventrolateral Medulla Using a Dual-Reporter Transgenic Model, 1116
Aldosterone Antagonism Attenuates Obesity-Induced Hypertension and Glomerular Hyperfiltration, 41
Angiotensin II and Cell Cycle Regulation, 693
Broadly Altered Gene Expression in Blood Leukocytes in Essential Hypertension Is Absent During Treatment, 947
Combination of Renin-Angiotensin System Polymorphisms Is Associated With Altered Renal Sodium Handling and Hypertension, 598
Depletion of Tissue Angiotensin-Converting Enzyme Differentially Influences the Intrarenal and Urinary Expression of Angiotensin Peptides, 849
Ganglionic Action of Angiotensin Contributes to Sympathetic Activity in Renin-Angiotensinogen Transgenic Mice, 312
Identification of Telmisartan as a Unique Angiotensin II Receptor Antagonist With Selective PPARγ-Modulating Activity, 993
Increased ACE 2 and Decreased ACE Protein in Renal Tubules From Diabetic Mice: A Renoprotective Combination? 1120
Novel Mechanisms Responsible for Postmenopausal Hypertension, 918
Prolonged Activation of the Baroreflex Produces Sustained Hypotension, 306
Resistance
Cyclooxygenase Involvement in Thromboxane-Dependent Contraction in Rat Mesenteric Resistance Arteries, 1264
Eplerenone Prevents Salt-Induced Vascular Remodeling and Cardiac Fibrosis in Stroke-Prone Spontaneously Hypertensive Rats, 1252
Risk factors
C-Reactive Protein Modifies the Relationship Between Blood Pressure and Microalbuminuria, 791
C242T *CYBA* Polymorphism of the NADPH Oxidase Is Associated With Reduced Respiratory Burst in Human Neutrophils, 1246

Glucose-Cholesterol Interaction Magnifies Coronary Heart Disease Risk for Hypertensive Patients, 983
Pulse Pressure Is an Independent Predictor for the Progression of Aortic Wall Calcification in Patients With Controlled Hyperlipidemia, 536

S

Sheep
Peri-Implantation Undernutrition Programs Blunted Angiotensin II Evoked Baroreflex Responses in Young Adult Sheep, 1290
Signal transduction
Forced Homodimerization by Site-Directed Mutagenesis Alters Guanylyl Cyclase Activity of Natriuretic Peptide Receptor B, 460
2-Hydroxyoleic Acid: A New Hypotensive Molecule, 249
Raloxifene Prevents Cardiac Hypertrophy and Dysfunction in Pressure-Overloaded Mice, 237
Sgk1 Mediates Osmotic Induction of NPR-A Gene in Rat Inner Medullary Collecting Duct Cells, 866
Sleep apnea
Resistant Hypertension, Obesity, Sleep Apnea, and Aldosterone: Theory and Therapy, 518
Socioeconomic factors
Relation Between Socioeconomic Status, Race-Ethnicity, and Left Ventricular Mass: The Northern Manhattan Study, 775
Sodium
Aldosterone Antagonism Attenuates Obesity-Induced Hypertension and Glomerular Hyperfiltration, 41
Cyclooxygenases, the Kidney, and Hypertension, 525
Dietary NaCl Regulates Renal Aminopeptidase N: Relevance to Hypertension in the Dahl Rat, 282
Effect of Dietary Sodium Intake on Blood Lipids: Results From the DASH-Sodium Trial, 393
Elevated BSC-1 and ROMK Expression in Dahl Salt-Sensitive Rat Kidneys, 860
Modulation of Learning and Memory in Dahl Rats by Dietary Salt Restriction, 797
Production and Role of Extracellular Guanosine Cyclic 3′, 5′ Monophosphate in Sodium Uptake in Human Proximal Tubule Cells, 286
Prolonged Activation of the Baroreflex Produces Sustained Hypotension, 306
Renal Interstitial Guanosine Cyclic 3′, 5′-Monophosphate Mediates Pressure-Natriuresis Via Protein Kinase G, 1133
Salt Supplementation Improves Orthostatic Cerebral and Peripheral Vascular Control in Patients With Syncope, 809
Urinary Potassium Excretion and Sodium Sensitivity in Blacks, 707
Sodium pump
Renal Oxidative Stress in Medullary Thick Ascending Limbs Produced by Elevated NaCl and Glucose, 341
Statins
Simvastatin Prevents Load-Induced Protein Tyrosine Nitration in Overloaded Hearts, 1060
Stress
Sympathetic Responses to Stress and Rilmenidine in 2K1C Rabbits: Evidence of Enhanced Nonvascular Effector Mechanism, 636
Stroke
Blood Pressure Management in Patients With Acute Ischemic Stroke, 137
Kallikrein Gene Transfer Protects Against Ischemic Stroke by Promoting Glial Cell Migration and Inhibiting Apoptosis, 452
Stroke, hemorrhagic
High Blood Pressure in Acute Stroke and Subsequent Outcome: A Systematic Review, 18
Stroke, thrombotic
High Blood Pressure in Acute Stroke and Subsequent Outcome: A Systematic Review, 18
Superoxide
Assessment of Renal Functional Phenotype in Mice Lacking gp91^{PHOX} Subunit of NAD(P)H Oxidase, 335
Tempol Lowers Blood Pressure and Sympathetic Nerve Activity But Not Vascular O_2^- in DOCA-Salt Rats, 329
Sympathetic nervous system
α-2 Adrenergic Transmission and Human Baroreflex Regulation, 1035
Baroreflex Buffering of Sympathetic Activation During Sleep: Evidence From Autonomic Assessment of Sleep Macroarchitecture and Microarchitecture, 814
Causes and Consequences of Increased Sympathetic Activity in Renal Disease, 699
Ganglionic Action of Angiotensin Contributes to Sympathetic Activity in Renin-Angiotensinogen Transgenic Mice, 312
Hypertension and Insulin Resistance Are Not Directly Related in Obese Dogs, 1011
Increased O_2^- Production and Upregulation of ET_B Receptors by Sympathetic Neurons in DOCA-Salt Hypertensive Rats, 1048
Novel Mechanisms Responsible for Postmenopausal Hypertension, 918
Prolonged Activation of the Baroreflex Produces Sustained Hypotension, 306
Rho/Rho-Kinase Pathway in the Brainstem Contributes to Hypertension Caused by Chronic Nitric Oxide Synthase Inhibition, 156
Role of Adrenergic Activity in Pressor Responses to Chronic Melanocortin Receptor Activation, 370
Selective Increase in Renal Arcuate Innervation Density and Neurogenic Constriction in Chronic Angiotensin II-Infused Rats, 643
Steady-State and Dynamic Responses of Renal Sympathetic Nerve Activity to Air-Jet Stress in Sinoaortic Denervated Rats, 629
Sympathetic Augmentation in Hypertension: Role of Nerve Firing, Norepinephrine Reuptake, and Angiotensin Neuromodulation, 169
The Sympathetic Nervous System and Hypertension: Recent Developments, 147
Sympathetic Responses to Stress and Rilmenidine in 2K1C Rabbits: Evidence of Enhanced Nonvascular Effector Mechanism, 636

T

Thromboxanes
Cyclooxygenase Involvement in Thromboxane-Dependent Contraction in Rat Mesenteric Resistance Arteries, 1264
Determinants of Platelet Activation in Human Essential Hypertension, 64
Role for Thromboxane Receptors in Angiotensin-II-Induced Hypertension, 364
Role of Platelet Microparticles in the Production of Thromboxane by Rabbit Pulmonary Artery, 428
Tissue culture
Isolation and Culture of Arterial Smooth Muscle Cells From Human Placenta, 837
Total peripheral resistance
Increased Central Artery Stiffness in Impaired Glucose Metabolism and Type 2 Diabetes: The Hoorn Study, 176
Transforming growth factor
Ac-SDKP Reverses Inflammation and Fibrosis in Rats With Heart Failure After Myocardial Infarction, 229

U

Urine
Determinants of Platelet Activation in Human Essential Hypertension, 64

V

Vascular
Arterial Stiffness and Kidney Function, 163
Calcium Channel Blocker Azelnidipine Enhances Vascular Protective Effects of AT_1 Receptor Blocker Olmesartan, 263
Low Birth Weight Predicts Higher Blood Pressure But Not Dermal Capillary Density in Two Populations, 610
Retinal Expression of Vascular Endothelial Growth Factor Is Mediated by Angiotensin Type 1 and Type 2 Receptors, 276
Salt Intake, Endothelial Cell Signaling, and Progression of Kidney Disease, 142
Sphingosine-1-Phosphate Inhibits C-Type Natriuretic Peptide Activation of Guanylyl Cyclase B (GC-B/NPR-B), 1103
Tooth Loss Is Associated With an Increased Risk of Hypertension in Postmenopausal Women, 1297

Vascular resistance
Differences in Left Ventricular Structure Between Black and White Hypertensive Adults: The Hypertension Genetic Epidemiology Network Study, 1182
Hemodilution With Stoma-Free Hemoglobin at Physiologically Maintained Viscosity Delays the Onset of Vasoconstriction, 1110
Increased Central Artery Stiffness in Impaired Glucose Metabolism and Type 2 Diabetes: The Hoorn Study, 176
Salt Supplementation Improves Orthostatic Cerebral and Peripheral Vascular Control in Patients With Syncope, 809
Vascular smooth muscle
Aberrant D_1 and D_3 Dopamine Receptor Transregulation in Hypertension, 654
Focal Adhesion Protein Zyxin Is a Mechanosensitive Modulator of Gene Expression in Vascular Smooth Muscle Cells, 726
Isolation and Culture of Arterial Smooth Muscle Cells From Human Placenta, 837
Vasculature
Changes in Arterial Stiffness and Wave Reflection With Advancing Age in Healthy Men and Women: The Framingham Heart Study, 1239
Enhanced Vascular Activity of Endogenous Endothelin-1 in Obese Hypertensive Patients, 36
Vasoconstriction
Alpha$_2$-Adrenergic Receptor-Induced Vascular Constriction in Blacks and Whites, 31
p38 Mitogen-Activated Protein Kinase Contributes to the Diminished Aortic Contraction by Endothelin-1 in DOCA-Salt Hypertensive Rats, 1086
Role of Platelet Microparticles in the Production of Thromboxane by Rabbit Pulmonary Artery, 428
Vasodilation
Nitric Oxide Donor Sodium Nitroprusside Dilates Rat Small Arteries by Activation of Inward Rectifier Potassium Channels, 891
Relationship Between Carbamoyl-Phosphate Synthetase Genotype and Systemic Vascular Function, 186
Stimulation of Cyclic GMP Production via AT_2 and B_2 Receptors in the Pressure-Overloaded Aorta After Banding, 1258
Veins
Alpha$_2$-Adrenergic Receptor-Induced Vascular Constriction in Blacks and Whites, 31
Ventricular function
Different Growth Factor Activation in the Right and Left Ventricles in Experimental Volume Overload, 101
Vessels
Modifier Locus on Mouse Chromosome 3 for Renal Vascular Pathology in AT_{1A} Receptor-Deficiency, 445
Viscosity
Hemodilution With Stoma-Free Hemoglobin at Physiologically Maintained Viscosity Delays the Onset of Vasoconstriction, 1110
Vitamins
Pioglitazone Prevents Hypertension and Reduces Oxidative Stress in Diet-Induced Obesity, 48

W

Women
Blood Pressure Response to Caffeine Shows Incomplete Tolerance After Short-Term Regular Consumption, 760
Tooth Loss Is Associated With an Increased Risk of Hypertension in Postmenopausal Women, 1297